## SCORE OVER LENGTH SEARCHES

Attached is a score over length search. This search was developed to overcome limitations in most standard search systems which favor large sequences with high scoring, but lesser overall identity over smaller sequences with higher overall identity. This search is especially useful for relatively small nucleic acid or polypeptide target sequences (antisense, fragments, probes, primers, RNAi, epitopes, haptens, etc.) claimed functionally via a form of hybridization and/or identity language and having defined upper and lower polynucleotide and or polypeptide length limits.

The score over length search is performed by first running the query sequence using examiner-specified identity and polynucleotide or protein length limit parameters, and saving 65,000 hits and 0 alignments from each desired database. The resulting output is reformatted using a Microsoft Word macro and is imported into Excel. The summary table data are then sorted by the ratio of score of each hit sequence divided by its length and the accession numbers for all hits below the examiner's desired score over length parameters are deleted. The remaining accession numbers are used to pull the corresponding sequences from the databases into subdatabases enriched for good hits and the query sequence is re-run against these subdatabases to yield the final results.

The score over length cutoff for this search is  $\frac{759}{6}$ 

Examiner Please Note: This cover sheet should be included when submitting results to be scanned.

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KEYWORDS
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No.
                                                  JOURNAL COMMENT
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     cDNA sequencing
Unpublished (1993)
Contact: Okubo,K., Fukushima,A., Yoshii,J., Niiyama,T., Kojima,Y.,
Contact: Okubo,K., Fukushima,A., Yoshii,J., Niiyama,T., Kojima,Y.,
Contact: Okubo,J. and Matsubara,K.
                                                                                             Okubo, K., Fukushima, A., Yoshii, J., Niiyama, T., Kojima, Y., Yoshinari, H., Arimoto, J. and Matsubara, K. Gene expression of human promyelocytic cell line HL60 before and after induction of differentiation. A new application of 3'directed
                                                                                                                                                                                                                                                                  D21016 TD21016.1 GI:504836
                                                                                                                                                                                                                                                                                                                 D21016 65 b
HUMGS01999 Human promyelocyte
Yoshinari,H., Arimoto,J. and Matsubara,K.
Institute for Molecular and Cellular Biology
Osaka University
                                                                                                                                                                             Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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AA954509
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ACCESSION: CL680542
ACCESSION: CF921149
ACCESSION: AA954509
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1e mp0890 3',
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Seq primer: -40UP from Gibco
High quality sequence stop: 1.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Trace considered overall poor quality Insert Length: 1745 Std Error: 0.00
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Ilan Kirsch, M.D., Michael R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Tumor Gene Index
Unpublished (1997)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 43)
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy
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/clone lib="NCI GGAP_Co16" pT7T3D-Pac (Pharmacia) with a modified polylinker; Site L: NCT I; Site 2: Eco RI; modified polylinker; Site 1: NCT I; Site 2: Eco RI; plasmid DNA from the normalized library NCI GGAP Co10 was prepared, and ss circles were made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified cDNAs from a pool of 5,000 clones made from the same library (cloneIDs 1057416-1061255, and 1144584-1145351).
                                                                                                                                                                                                                                         /tissue_type="colon tumor,
/lab_host="DH10B"
                                                                                                                                                                                                                                                                                                              /mol_type="mRNA"
/db_xref="taxon:9606"
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/note="Female, adult, cell_line =
oromyelocyte, "
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/db_xref="taxon:9606"
/clone="mp0890"
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sapiens cDNA clone IMAGE:2394333 3'
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Query Match Best Local Similarity

1.8%;

Score 43; Pred. No.

DB 1; 0.49;

Length

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Glycine.

1 (bases 1 to 20)

Scheffler, B.E., Huang, S., Liu
                                                         Glycine max
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledona; core eudicota;
rosids; eurosids I; Fabales; Fabaceae; Papilionoideae; Phaseoleae;
                                                                                                                         gmrhRww3-06_A05_1_047 Soybean root hair s
gmrhRww3 Glycine max cDNA, mRNA sequence.
CF921149
CF921149.1 GI:38191943
EST.
Glycine max (soybean)
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CL680542
CL680542.1 GI:50187453
GSS.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Email: ralf.sommer@tuebingen.mpg.de
This library was generated at Caltech,
sequenced at Vancouver, Canada.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Nucleic Acids Res. 32 (1), D421-D422
Contact: Sommer RJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Srinivasan, J., Otto, G.W., Kahlow, U., Geisler, R. and Sommer, AppaDB: an AcedB database for the nematode satellite organi Pristionchus pacificus
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pristionchus pacificus
Eukaryota; Metazoa; Nematoda; Chromadorea;
Neodiplogasteridae; Pristionchus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Seq primer:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Tel: 00497071601371
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /organism="Pristionchus pacificus"
/mol_type="genomic DNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                  /db xref="taxon:54126"
/clone_lib="Mixed stage fosmid library of P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  strain="California"
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- PRIOI29c.BR (24) Mixed
California Pristionchus
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(24) Mixed stage fosmid library of P.
istionchus pacificus genomic, genomic
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root hair subtracted
         Nguyen,H., Duke,M. and Stacey,G
                                                                                                                                                                                                                                                                                                                                                                                                         Fosmid vector"
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Query Match
Best Local Similarity
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Contact: Gary Stacey
University of Missouri
108 Waters Hall, Columbia, M
Tel: 573-884-4752
Fax: 573-882-0588
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A954509 19 bp mRNA linear EST 23-JU on81405.s1 Soares NFL T GBC S1 Homo sapiens cDNA clone IMAGE:1563081 3' Similar to TR:024035 Q24035 ENA POLYPEPTIDE. Contains element MSR1 repetitive element; mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                    Email: cgapbs-r@mail.nih.gov
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
Trace considered overall poor quality
Insert Length: 754 Std Error: 0.00
Seq primer: -40ml3 fwd. ET from Amersham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Tumor Gene Index
Unpublished (1997)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 (bases 1 to 19)
NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Contact: Robert Strausberg, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens
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Seq primer: T7.
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                                                                                                                                                                                                                                   /organism="Homo sapiens"
/mol type="mRNA"
/db xref="taxon:9606"
/clone="TMAGE:1563081"
/lab_host="DH10B"
/clone lib="Soarss NPL T GBC S1"
/note="Organ: pooled; Vector: p?773D-Pac (Pharmacia) with a modified polylinker; Site 1: Not 1; Site 2: Eco RI; Equal amounts of plasmid DNA from three normalized libraries (fetal lung NbHL19W, testis NHT, and B-cell NCI CGAP GCB1) were mixed, and ss circles were made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified cDNAs from pools of 5,000 clones made
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Bradyrhizobium japonicum
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          gmrhRww3"
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/cultivar="Williams 82"
/db_xref="taxon:3847"
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/mol_type="mRNA"
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/clone_lib="Soybean root hair subtracted cDNA library
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ALIGNMENTS

RESULT 1 US-09-908-975-16614/c

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US-10-324-618-27

(Sequence 27, Application US/10324618

publication No. US20030170691A1

(GENERAL INFORMATION:
APPLICANT: Gimeno, Ruth
APPLICANT: Wu, Zhidan

APPLICANT: Wu, Zhidan

APPLICANT: Kapeller-Libermann, Rosana

APPLICANT: HUMBAN DIACYLGLYCEROL ACYLTRANSFERASE 2

TITLE OF INVENTION: (DGAT2) FAMILY MEMBERS AND USES THEREFOR

FILE REFERENCE: MPI01-6392RM

CURRENT APPLICATION NUMBER: US/10/324,618

CURRENT FILING DATE: 2002-12-19

PRIOR APPLICATION NUMBER: 60/341,947

PRIOR APPLICATION NUMBER: 60/341,947

PRIOR APPLICATION NUMBER: 60/341,947

PRIOR FILING DATE: 2002-09-19

NUMBER OF SEQ ID NOS: 65

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 27

LENGTH: 28

TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
COTHER INFORMATION: 86606 probe

US-10-324-618-27
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ITILE REFERENCE: 36688-0005
CURRENT APPLICATION NUMBER: US/09/908,975
CURRENT FILING DATE: 2001-07-20
PRIOR APPLICATION NUMBER: US 60/287,724
PRIOR FILING DATE: 2001-05-02
PRIOR FILING DATE: 2001-07-28
INUMBER OF SEQ ID NOS: 32337
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Publication No. US20030165843A1
GENERAL INFORMATION:
APPLICANT: SHOSHAN, Avi
APPLICANT: WASSERWAN, Alon
APPLICANT: WINTZ, Eli
APPLICANT: MINTZ, Liat
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RESULT 3 US-10-307-817-378

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RESULT 5
US-10-719-900-761464
; Sequence 761464, Application US/10719900
; Publication No. US20050026164A1
; GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
; FILE REFERENCE: 3528.1
; CURRENT APPLICATION NUMBER: US/10/719,900
; CURRENT APPLICATION NUMBER: 60/427,808
pRIOR APPLICATION NUMBER: 60/427,808
pRIOR FILING DATE: 2003-11-20
; NUMBER OF SEQ ID NOS: 982914
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; EQ ID NO 761464
; LENGTH: 25
; TYPED: NOT
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SOFTWARE: CuraSeqList version 0.1
SEQ ID NO 378
LENGTH: 27
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CURRENT APPLICATION NUMBER: US/10/719,900
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,808
PRIOR PILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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CURRENT APPLICATION NUMBER: US/10/307,817
CURRENT FILING DATE: 2002-12-02
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TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
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TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
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ORGANISM: Mus musculus
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100.0%; Pred. No. 65;
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US-10-719-956-323130
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US-10-719-956-323130
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SEQ ID NO 323130
LENGTH: 25
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Best Local Similarity
Matches 25; Conserv
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Publication No. US20040146910A1
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Best Local Similarity
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TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3527.1
CURRENT APPLICATION NUMBER: US/10/719,956
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,836
PRIOR PILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 699466
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APPLICANT:
APPLICANT:
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                           TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2830P1C1
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CURRENT APPLICATION NUMBER: US/09/946,374
CURRENT FILING DATE: 2001-09-04
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Hillan, Kenneth J.
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Grimaldi, Christopher J.
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o. US20030073129A1
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71;
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OR APPLICATION NUMBER: 60/099754 OR FILING DATE: 1998-09-10 OR APPLICATION NUMBER: 60/099763 OR FILING DATE: 1998-09-10 OR APPLICATION NUMBER: 60/099818 OR FILING DATE: 1998-09-10 OR APPLICATION NUMBER: 60/099815 OR FILING DATE: 1998-09-10 OR APPLICATION NUMBER: 60/099815 OR FILING DATE: 1998-09-10 OR APPLICATION NUMBER: 60/099816 OR FILING DATE: 1998-09-15 OR FILING DATE: 1998-09-15 OR FILING DATE: 1998-09-16 OR APPLICATION NUMBER: 60/100385 OR FILING DATE: 1998-09-15 OR APPLICATION NUMBER: 60/100386 OR FILING DATE: 1998-09-15 OR APPLICATION NUMBER: 60/100390 OR FILING DATE: 1998-09-16 OR APPLICATION NUMBER: 60/100627 OR FILING DATE: 1998-09-16 OR APPLICATION NUMBER: 60/100627 OR FILING DATE: 1998-09-16 OR APPLICATION NUMBER: 60/100661 OR APPLICATION NUMBER: 60/100662 OR FILING DATE: 1998-09-16 OR APPLICATION NUMBER: 60/100664 OR APPLICATION NUMBER: 60/100669 OR APPLICATION NUMBER: 60/100699 OR APPLICATION NUMBER: 60/100699 OR APPLICATION NUMBER: 60/100919 OR APPLICATION NUM	FILING DATE: 1998-09-01 APPLICATION NUMBER: 60/ FILING DATE: 1998-09-01 APPLICATION NUMBER: 60/ FILING DATE: 1998-09-01 APPLICATION NUMBER: 60/ FILING DATE: 1998-09-02 APPLICATION NUMBER: 60/ FILING DATE: 1998-09-02 APPLICATION NUMBER: 60/ FILING DATE: 1998-09-09-02 APPLICATION NUMBER: 60/ FILING DATE: 1998-09-09-09-09-09-09-09-09-09-09-09-09-09-
PRIOR FILING DATE: 1998-09-24  PRIOR FILING DATE: 1998-09-24  PRIOR PILING DATE: 1998-09-24  PRIOR PILING DATE: 1998-09-24  PRIOR PILING DATE: 1998-09-24  PRIOR PILING DATE: 1998-09-29  PRIOR PILING DATE: 1998-09-29  PRIOR APPLICATION NUMBER: 60/102207  PRIOR PILING DATE: 1998-09-29  PRIOR APPLICATION NUMBER: 60/102307  PRIOR PILING DATE: 1998-09-29  PRIOR PILING DATE: 1998-09-30  PRIOR PILING DATE: 1998-09-30  PRIOR PILING DATE: 1998-09-30  PRIOR PILING DATE: 1998-09-30  PRIOR APPLICATION NUMBER: 60/102570  PRIOR PILING DATE: 1998-09-30  PRIOR PILING DATE: 1998-09-30  PRIOR PILING DATE: 1998-10-01  PRIOR PILING DATE: 1998-10-01  PRIOR PILING DATE: 1998-10-01  PRIOR PILING DATE: 1998-10-07  PRIOR PILING DATE: 1998-10-07  PRIOR PILING DATE: 1998-10-07  PRIOR PRIOR PILING DATE: 1998-10-07  PRIOR P	APPLICATION FILING DATE: APPLICATION APPLICATION

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  CURRENT APPLICATION NUMBER: US/09/946,374
CURRENT FILING DATE: 2001-09-04
PRIOR APPLICATION NUMBER: 60/098716
PRIOR FILING DATE: 1998-09-01
PRIOR PPLICATION NUMBER: 60/098723
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098749
PRIOR FILING DATE: 1998-09-01
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098750
PRIOR PILING DATE: 1998-09-01
PRIOR PILING DATE: 1998-09-01
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DR APPLICATION NUMBER: 60/103679
DR FILING DATE: 1998-10-08
DR APPLICATION NUMBER: 60/103711
DR FILING DATE: 1998-10-08
DR APPLICATION NUMBER: 60/104257
DR APPLICATION NUMBER: 60/104257
DR FILING DATE: 1998-10-14
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APPLICATION NUMBER: 60/105266
FILING DATE: 1998-10-22
APPLICATION NUMBER: 60/105693
FILING DATE: 1998-10-26
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FILING DATE: 1998-10-20
APPLICATION NUMBER: 60/105000
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APPLICATION NUMBER: 60/105104
FILING DATE: 1998-10-21
APPLICATION NUMBER: 60/105169
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Gao, Wei-Qiang
Goddard, Audrey
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Hillan, Kenneth J.
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Grimaldi, Christopher
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OR FILING DATE: 1998-09-18
OR APPLICATION NUMBER: 60/100849
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OR APPLICATION NUMBER: 60/100919
OR FILING DATE: 1998-09-17
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OR APPLICATION NUMBER: 60/101014
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OR APPLICATION NUMBER: 60/101279
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OR APPLICATION NUMBER: 60/100584
OR FILING DATE: 1998-09-16
OR APPLICATION NUMBER: 60/100627
OR FILING DATE: 1998-09-16
OR FILING DATE: 1998-09-16
OR APPLICATION NUMBER: 60/100662
OR APPLICATION NUMBER: 60/100662
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DR APPLICATION NUMBER: 60/100684
DR FILING DATE: 1998-09-17
DR APPLICATION NUMBER: 60/100710
DR FILING DATE: 1998-09-17
DR APPLICATION NUMBER: 60/100711
DR FILING DATE: 1998-09-17
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DR FILING DATE: 1998-09-17
DR APPLICATION NUMBER: 60/100848
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OR FILING DATE: 1998-09-10
OR APPLICATION NUMBER: 60/099812
OR FILING DATE: 1998-09-10
OR APPLICATION NUMBER: 60/099815
OR FILING DATE: 1998-09-10
OR APPLICATION NUMBER: 60/099816
OR FILING DATE: 1998-09-10
OR APPLICATION NUMBER: 60/100385
OR FILING DATE: 1998-09-15
OR APPLICATION NUMBER: 60/100385
OR FILING DATE: 1998-09-15
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FILING DATE: 1998-09-02
APPLICATION NUMBER: 60/098821
FILING DATE: 1998-09-02
APPLICATION NUMBER: 60/098843
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APPLICATION NUMBER: 60/100390
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APPLICATION NUMBER: 60/099792
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APPLICATION NUMBER: 60/103678
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FILING DATE: 1998-10-07
APPLICATION NUMBER: 60/103396
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FILING DATE: 1998-10-02
APPLICATION NUMBER: 60/103258
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APPLICATION NUMBER: 60/102684
FILING DATE: 1998-10-01
APPLICATION NUMBER: 60/102687
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APPLICATION NUMBER: 60/102330
FILING DATE: 1998-09-29
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FILING DATE: 1998-09-24
APPLICATION NUMBER: 60/102207
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FILING DATE: 1998-09-24
APPLICATION NUMBER: 60/101915
FILING DATE: 1998-09-24
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FILING DATE: 1998-09-23
APPLICATION NUMBER: 60/101477
                                  FILING DATE: 1998-10-08
APPLICATION NUMBER: 60/103711
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APPLICATION NUMBER: 60/103315
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APPLICATION NUMBER: 60/101741
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APPLICATION NUMBER:
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APPLICATION
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APPLICATION NUMBER: 60/102240
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                                                                                                                         OTHER INFORMATION: Synthetic oligonucleotide probe US-10-006-856A-293
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US-10-006-856A-293
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Best Local S
Matches 24
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PRIOR FILING DATE: 1998-10-20
PRIOR APPLICATION NUMBER: 60/105000
PRIOR FILING DATE: 1998-10-20
PRIOR APPLICATION NUMBER: 60/105002
PRIOR FILING DATE: 1998-10-20
PRIOR APPLICATION NUMBER: 60/105104
PRIOR APPLICATION NUMBER: 60/105104
                                                       Query Match
Best Local Similarity
Matches 24; Conserv
                                                                                                                                                                                      Prior Application removed -
SEQ ID NO 293
LENGTH: 24
TYPE: DNA
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APPLICANT: Baker, K
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Publication No
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TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830PLC14
CURRENT APPLICATION NUMBER: US/10/006,856A
CURRENT FILING DATE: 2002-05-10
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                                                                                                                                                       ORGANISM: Artificial Sequence FEATURE:
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OR APPLICATION NUMBER: 60/105169
OR FILING DATE: 1998-10-22
OR APPLICATION NUMBER: 60/105266
OR FILING DATE: 1998-10-22
OR APPLICATION NUMBER: 60/105693
OR FILING DATE: 1998-10-26
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                   1041 GCTGACCTGGTTCCCATCTACTCC 1064
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Gao, Wei-Qiang
Goddard, Andrey
Godowski, Paul J.
Grimaldi, Christopher J.
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GCTGACCTGGTTCCCATCTACTCC 24
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Paoni, Nicholas F.
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Hillan, Kenneth J.
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Conservative 0;
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                                                                           Score 24; pred. No.
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RESULT 10 US-10-006-856A-294/c ; Sequence 294, Application US/10006856A

Publication No. US20030044841A1

PPLICANT:

Godowski, Paul J. Grimaldi, Christopher J.

Fong, Sherman Gao, Wei-Qiang Goddard, Audrey

Botstein, David Desnoyers, Luc

Kevin P.

Ferrara, Napoleone

Dan 1.

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; OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-006-856A-294
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CURRENT FILING DATE: 2002-05-10
NUMBER OF SEQ ID NOS: 477
Prior Application removed - See File Wrapper or Palm
SEQ ID NO 294
LENGTH: 24
                                                                                               Prior Application removed - See File Wrapper or NUMBER OF SEQ ID NOS: 477
SEQ ID NO 293
LENGTH: 24
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Best Local Similarity
Matches 24; Conserv
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OTHER INFORMATION: Synthetic oligonucleotide probe-10-006-818A-293
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                                                                                                                                                                                                                     APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C4
                                                                                                                                                                               CURRENT APPLICATION NUMBER: US/10/006,818A
CURRENT FILING DATE: 2001-12-06
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                                                                                                                                                                                                                                                                                                                               APPLICANT:
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ORGANISM: Artificial Sequence
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                                                         TYPE: DNA
ORGANISM: Artificial Sequence
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Hillan, Kenneth J.
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Grimaldi, Christopher J.
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Hillan, Kenneth J.
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APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2830P1C4
CURRENT APPLICATION NUMBER: US/10/006,818A
CURRENT FILING DATE: 2001-12-06
Prior Application removed - See File Wrapper or Palm NUMBER OF SEQ ID NOS: 477
SEQ ID NO 294
LENGTH: 24
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US-10-006-818A-294
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INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
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Gao, Wei-Qiang
Goddard, Audrey
Godowski, Paul J
Grimaldi, Christopher J.
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Grimaldi, Christopher
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ENT FILING DATE: 2001-12-06  R APPLICATION NUMBER: 60/098716  R HILING DATE: 1998-09-01  R APPLICATION NUMBER: 60/098723  R FILING DATE: 1998-09-01  R APPLICATION NUMBER: 60/098750  R FILING DATE: 1998-09-01  R APPLICATION NUMBER: 60/09803  R FILING DATE: 1998-09-02  R APPLICATION NUMBER: 60/09803  R FILING DATE: 1998-09-02  R APPLICATION NUMBER: 60/098843  R FILING DATE: 1998-09-02  R APPLICATION NUMBER: 60/09836  R FILING DATE: 1998-09-02  R APPLICATION NUMBER: 60/099596  R FILING DATE: 1998-09-09  R APPLICATION NUMBER: 60/099596  R FILING DATE: 1998-09-09  R APPLICATION NUMBER: 60/099602  R FILING DATE: 1998-09-09  R APPLICATION NUMBER: 60/099602  R FILING DATE: 1998-09-09  R APPLICATION NUMBER: 60/099741  R FILING DATE: 1998-09-10  R APPLICATION NUMBER: 60/099741  R FILING DATE: 1998-09-10  R APPLICATION NUMBER: 60/099741  R FILING DATE: 1998-09-10  R APPLICATION NUMBER: 60/099754  R FILING DATE: 1998-09-10  R APPLICATION NUMBER: 60/099763  R FILING DATE: 1998-09-10  R APPLICATION NUMBER: 60/099815  R FILING DATE: 1998-09-10  R APPLICATION NUMBER: 60/10038  R FILING DATE: 1998-09-16  R APPLICATION NUMBER: 60/100661  R APPLICATION NUMBER: 60/100662  R FILING DATE: 1998-09-16  R APPLICATION NUMBER: 60/100663  R FILING DATE: 1998-09-16  R APPLICATION NUMBER: 60/100664  R FILING DATE: 1998-09-17  R APPLICATION NUMBER: 60/100664  R APPLICATION NUMBER: 60/100664  R FILING DATE: 1998-09-16  R APPLICATION NUMBER: 60/100664  R APPLICATION NUMBER: 60/100664  R APPLICATION NUMBER: 60/100664	K th
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CATION NUMBER: 60/101014 CATION NUMBER: 60/10106 G DATE: 1998-09-18 CATION NUMBER: 60/101071 G DATE: 1998-09-29 CATION NUMBER: 60/101279 CATION NUMBER: 60/101471 G DATE: 1998-09-23 CATION NUMBER: 60/101472 G DATE: 1998-09-23 CATION NUMBER: 60/101472 G DATE: 1998-09-23 CATION NUMBER: 60/101474 G DATE: 1998-09-23 CATION NUMBER: 60/101475 G DATE: 1998-09-23 CATION NUMBER: 60/101476 G DATE: 1998-09-24 CATION NUMBER: 60/101477 CATION NUMBER: 60/101741 G DATE: 1998-09-24 CATION NUMBER: 60/10230 G DATE: 1998-09-29 CATION NUMBER: 60/10230 G DATE: 1998-09-29 CATION NUMBER: 60/10230 G DATE: 1998-09-30 CATION NUMBER: 60/10230 G DATE: 1998-09-30 CATION NUMBER: 60/102570 G DATE: 1998-09-30 CATION NUMBER: 60/102570 G DATE: 1998-10-07 G DATE: 1998-10-07 G DATE: 1998-10-07 CATION NUMBER: 60/102570 G DATE: 1998-10-07 G DATE: 1998-10-07 CATION NUMBER: 60/103314 G DATE: 1998-10-07 CATION NUMBER: 60/103314 G DATE: 1998-10-07 CATION NUMBER: 60/103315 G DATE: 1998-10-07 CATION NUMBER: 60/103315 G DATE: 1998-10-07 CATION NUMBER: 60/103315 G DATE: 1998-10-07 CATION NUMBER: 60/103316 G DATE: 1998-10-07 CATION NUMBER: 60/103316 G DATE: 1998-10-07 CATION NUMBER: 60/103316 G DATE: 1998-10-07 CATION NUMBER: 60/103395	1998-09-17 NUMBER: 60/100930

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Best Local S
Matches 24
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                                        APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
TITLE OP INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OP INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C9
CURRENT APPLICATION NUMBER: US/10/006,485A
CURRENT FILING DATE: 2001-12-06
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FILING DATE: 1998-10-27
APPLICATION NUMBER: 60/105881
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FILING DATE: 1998-10-26
APPLICATION NUMBER: 60/105694
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Gao, Wei-Qiang
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FILING DATE: 1998-09-02
APPLICATION NUMBER: 60/099536
FILING DATE: 1998-09-09
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FILING DATE: 1998-09-15
APPLICATION NUMBER: 60/100390
FILING DATE: 1998-09-15
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FILING DATE: 1998-09-10
APPLICATION NUMBER: 60/099815
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FILING DATE: 1998-09-10
APPLICATION NUMBER: 60/099763
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FILING DATE: 1998-09-09
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FILING DATE: 1998-09-18
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APPLICATION NUMBER: 60/100711
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APPLICATION NUMBER: 60/100662
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FILING DATE: 1998-09-16
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APPLICATION NUMBER: 60/100385
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               NUMBER: 60/101068
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; FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide probe US-10-013-907A-293
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US-10-013-907A-293
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Best Local S
Matches 24
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Prior Application removed - See I
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 293
LENGTH: 24
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APPLICANT:
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                                                                                                                                                                                   TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2830P1C34 CURRENT APPLICATION NUMBER: US/10/013,907A
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                                                      TYPE: DNA ORGANISM: Artificial Sequence
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OR APPLICATION NUMBER: 60/105169
OR PILING DATE: 1998-10-22
OR APPLICATION NUMBER: 60/105266
OR FILING DATE: 1998-10-22
OR APPLICATION NUMBER: 60/105693
OR FILING DATE: 1998-10-26
OR APPLICATION NUMBER: 60/105694
OR FILING DATE: 1998-10-26
OR APPLICATION NUMBER: 60/105807
OR FILING DATE: 1998-10-27
OR FILING DATE: 1998-10-27
OR FILING DATE: 1998-10-27
OR APPLICATION NUMBER: 60/105881
OR APPLICATION NUMBER: 60/105882
OR APPLICATION NUMBER: 60/105882
OR APPLICATION NUMBER: 60/105882
OR APPLICATION NUMBER: 60/106023
OR FILING DATE: 1998-10-27
OR APPLICATION NUMBER: 60/106023
OR FILING DATE: 1998-10-27
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OR APPLICATION NUMBER: 60/103711
OR ETLING DATE: 1998-10-08
OR APPLICATION NUMBER: 60/104257
OR FILING DATE: 1998-10-14
OR APPLICATION NUMBER: 60/104987
OR FILING DATE: 1998-10-20
OR APPLICATION NUMBER: 60/105000
OR FILING DATE: 1998-10-20
OR APPLICATION NUMBER: 60/105002
OR FILING DATE: 1998-10-20
OR APPLICATION NUMBER: 60/105002
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Gao, Wei-Qiang
Goddard, Audrey
Godowski, Paul J.
Grimaldi, Christopher J
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Paoni, Nicholas F.
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Hillan, Kenneth J.
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Eaton, Dan 1.
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PRIOR PRIOR PRIOR

APPLICATION NUMBER: 60/101743 FILING DATE: 1998-09-24 APPLICATION NUMBER: 60/101915

PR FILING DATE: 1998-09-24

RR APPLICATION NUMBER: 60/101916

RR FILING DATE: 1998-09-24

PR APPLICATION NUMBER: 60/102207

RR FILING DATE: 1998-09-29

RR APPLICATION NUMBER: 60/102240

RR FILING DATE: 1998-09-29

PRIOR PRIOR

PRIOR

APPLICATION NUMBER: 60/101738 FILING DATE: 1998-09-24 APPLICATION NUMBER: 60/101741 FILING DATE: 1998-09-24

FILING DATE: 1998-09-23
APPLICATION NUMBER: 60/101479

APPLICATION NUMBER: 60/101477 FILING DATE: 1998-09-

FILING DATE: 1998-09-23

PRIOR PRIOR PRIOR

APPLICATION NUMBER: 60/101475 FILING DATE: 1998-09-23 APPLICATION NUMBER: 60/101476

FILING DATE: 1998-09-23
APPLICATION NUMBER: 60/101474
FILING DATE: 1998-09-23

APPLICATION NUMBER: 60/101472 APPLICATION NUMBER: 60/101471 FILING DATE: 1998-09-23 FILING DATE: 1998-09-APPLICATION NUMBER: 60/101279 APPLICATION NUMBER: 60/101071

PRIOR PRIOR

DR FILING DATE: 1998-10-06

RAPPLICATION NUMBER: 60/103633

DR FILING DATE: 1998-10-08

DR APPLICATION NUMBER: 60/103678

DR FILING DATE: 1998-10-08

DR APPLICATION NUMBER: 60/103679

APPLICATION NUMBER: 60/103401 FILING DATE: 1998-10-07 APPLICATION NUMBER: 60/103449

APPLICATION NUMBER: 60/103395 FILING DATE: 1998-10-07 APPLICATION NUMBER: 60/103396 FILING DATE: 1998-10-07

DR APPLICATION NUMBER: 60/102684
DR FILING DATE: 1998-10-01
DR APPLICATION NUMBER: 60/102687
DR FILING DATE: 1998-10-01
DR APPLICATION NUMBER: 60/102965
DR FILING DATE: 1998-10-02
DR APPLICATION NUMBER: 60/103258
DR FILING DATE: 1998-10-06
DR APPLICATION NUMBER: 60/103314
DR APPLICATION NUMBER: 60/103314
DR FILING DATE: 1998-10-07
DR APPLICATION NUMBER: 60/103315
DR FILING DATE: 1998-10-07
DR APPLICATION NUMBER: 60/103328
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FILING DATE: 1998-09-30 APPLICATION NUMBER: 60/102571 FILING DATE: 1998-09-30

FILING DATE: 1998-09-30 APPLICATION NUMBER: 60/102570

APPLICATION NUMBER: 60/102331 FILING DATE: 1996-09-29 APPLICATION NUMBER: 60/102484 FILING DATE: 1998-09-30 APPLICATION NUMBER: 60/102487

APPLICATION NUMBER: 60/102330 FILING DATE: 1998-09-29 APPLICATION NUMBER: 60/102307 FILING DATE: 1998-09-29

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US-10-013-907A-294
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CURRENT FILING DATE: 2001-12-10
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 294
LENGTH: 24
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Publication No. US20030065142A1
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Best Local Similarity
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APPLICANT: Botstein, Davi
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CANT: Paoni, Nicholas F.

OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic OF INVENTION: Acids Encoding the Same
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                                                              Goddard, Audrey
Godowski, Paul J.
Grimaldi, Christopher J
Gurney, Austin L.
Hillan, Kenneth J.
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Gao, Wei-Qiang
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Fong, Sherman
Gao, Wei-Qiang
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Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
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Eaton, Dan 1.
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100.0%; Pred. No.
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US-10-015-393A-293

Sequence 293, Application US/10015393A Publication No. US20030069179A1 GENERAL INFORMATION:

APPLICANT: Baker, Kevin P. APPLICANT: Botstein, David APPLICANT: Desnoyers, Luc

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RESULT 19
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US-10-015-499A-294
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NUMBER OF SEQ ID NOS: 477
SEQ ID NO 294
LENGTH: 24
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LENGTH: 24
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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Best Local
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Best Local
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                                                                                                                                                                                                                                                                                                                       APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2830P1C42
CURRENT APPLICATION NUMBER: US/10/015,499A
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CURRENT FILING DATE: 2001-12-11
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
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                                                                                                                                                                                                               ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                 TYPE: DNA
                                                                                                                                                                                                  FEATURE:
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                                                                         1463 GGAAGTGTCATGGGTGTCTGTGGG 1486
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                                                                                                                       Similarity
                                              GGAAGTGTCATGGGTGTCTGTGGG 1
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Grimaldi, Christopher J.
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Cao, Wei-Qiang
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Hillan, Kenneth J.
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o. US20030065142A1
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                                                                                                                       1.0%; Score 24;
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Query Match
Best Local Similarity
Matches 24; Conserve
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                                                                           US-10-015-393A-294
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US-10-015-393A-293
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   Matches
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Publication No. US20030069179A1
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LENGTH: 24
                       Query Match
Best Local Similarity
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LENGTH: 24
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APPLICANT:
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2830P1246
CURRENT APPLICATION NUMBER: US/10/015,393A
CURRENT FILING DATE: 2002-06-10
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CURRENT FILING DATE: 2002-06-10
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
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                                                                                                                                                                                                                                                                  FILE REFERENCE: P2830P1C46
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ORGANISM: Artificial Sequence
FEATURE:
                                                                                         OTHER INFORMATION: Synthetic oligonucleotide probe
                                                                                                                           ORGANISM: Artificial Sequence
                                                                                                                                             TYPE: DNA
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Gao, Wei-Qiang
Goddard, Audrey
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Gao, Wei-Qiang
Goddard, Audrey
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Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
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Grimaldi, Christopher
Gurney, Austin L.
Hillan, Kenneth J.
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Eaton, Dan 1.
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       Conservative
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Conservative 0;
100.0%; PI
     1.0%; Score 24; DB 1;
100.0%; Pred. No. 82;
1ve 0; Mismatches
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k; Pred. No. 82;
0; Mismatches
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RESULT 22
US-10-015-869A-294/c
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; Publication No. US200
; GENERAL INFORMATION;
APPLICANT: Baker, Ke
; APPLICANT: Botstein
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Best Local Similarity 100.0%;
Matches 24; Conservative (
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CURRENT FILING DATE: 2002-06-25
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 293
LENCTH: 24
TYPE: DNA
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APPLICANT:
APPLICANT:
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                 APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2830P145
CURRENT APPLICATION NUMBER: US/10/015,869A
CURRENT FILING DATE: 2002-06-25
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APPLICANT:
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APPLICANT:
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Prior Application removed - See File Wrapper or Palm
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Gao, Wei-Qiang
Goddard, Audrey
Godowski, Paul J.
Grimaldi, Christopher J
Gurney, Austin L.
Hillan, Kenneth J.
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Godowski, Paul J.
Grimaldi, Christopher J.
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Gao, Wei-Qiang
                                                                                                                              Pan, James
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Eaton, Dan 1.
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Hillan, Kenneth J.
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o. US20030073130A1
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100.0%; Pred. No.
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US-10-012-121A-293
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NUMBER OF SEQ ID NOS: 477
SEQ ID NO 293
LENGTH: 24
                                                                                                                        GENERAL INFORMATION:
                                                                                                                                                           Sequence 294,
                                                                                                                                            Publication No.
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2830P1C20
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APPLICANT: Botstein, David
APPLICANT: Desmoyers, Luc
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EQ ID NO 294
LENGTH: 24
                                                                     APPLICANT:
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ORGANISM: Artificial Sequence
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OTHER INFORMATION: Synthetic oligonuclectide probe
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les 24; Conserv
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Grimaldi, Christopher
Gurney, Austin L.
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Cao, Wei-Qiang
Fong, Sherman
Gao, Wei-Qiang
                                Ferrara, Napoleone
                                                   Eaton, Dan 1.
                                                               Botstein, David
Desnoyers, Luc
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US-10-006-116A-293
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                                                                                                                                                            FILE REFERENCE: D2830PICLS
CURRENT APPLICATION NUMBER: US/10/006,116A
CURRENT APPLICATION NUMBER: US/10/006,116A
CURRENT FILING DATE: 2001-12-16
PRIOR APPLICATION NUMBER: 60/098716
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098723
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098749
PRIOR APPLICATION NUMBER: 60/098750
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098803
PRIOR APPLICATION NUMBER: 60/098803
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US-10-012-121A-294
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Publication No.
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Best Local Similarity
Matches 24; Conserv
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LENGTH: 24
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                                                          PRIOR FILING DATE: 1998-09-02
PRIOR APPLICATION NUMBER: 60/098821
PRIOR FILING DATE: 1998-09-02
PRIOR APPLICATION NUMBER: 60/098843
PRIOR FILING DATE: 1998-09-02
                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides
TITLE OF INVENTION: Acids Encoding the Same
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FILING DATE: 1998-09-09
APPLICATION NUMBER: 60/099596
                                    APPLICATION NUMBER: 60/099536
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Gao, Wei-Qiang
Goddard, Audrey
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Grimaldi, Christopher J.
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Hillan, Kenneth J.
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Eaton, Dan 1.
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Grimaldi, Christopher
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5. US20030082626A1
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100.0%; Pred. No.
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NUMBER: 60/105002 : 1998-10-20 ! NUMBER: 60/105104 ! 1998-10-21 ! 1998-10-21 ! NUMBER: 60/105169	NUMBER: 60 : 1998-10-1 NUMBER: 60 : 1998-10-2 NUMBER: 60	NUMBER: 60/10367 NUMBER: 60/10367 1998-10-08 NUMBER: 60/10371 1998-10-08	7103	: 1998-10-07 : 1998-10-07 : 1998-10-07 : NUMBER: 60/103328 : 1998-10-07 : 1998-10-07 : 1998-10-07 : 1998-10-07	NUMBER: 60/102684 : 1998-10-01 NUMBER: 60/102687 : 1998-10-01 : 1998-10-02 NUMBER: 60/102965 : 1998-10-02 NUMBER: 60/103258 : 1998-10-06 : 1998-10-06	NUMBER: 60/102331 NUMBER: 60/102381 NUMBER: 60/102484 1998-09-30 NUMBER: 60/102487 NUMBER: 60/102570 NUMBER: 60/102570 NUMBER: 60/102571 NUMBER: 60/102571	1022	NUMBER: 60/101479 : 1998-09-23 NUMBER: 60/101738 : 1998-09-24 NUMBER: 60/101741 : 1998-09-24 NUMBER: 60/101743 : 1998-09-24 NUMBER: 60/101743

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DR APPLICATION NUMBER: 60/09959
DR FILING DATE: 1998-09-09
DR FILING DATE: 1998-09-09
DR APPLICATION NUMBER: 60/099642
DR FILING DATE: 1998-09-09
DR APPLICATION NUMBER: 60/09974
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DR APPLICATION NUMBER: 60/09980
DR FILING DATE: 1998-09-10
DR APPLICATION NUMBER: 60/099815
DR FILING DATE: 1998-09-10
DR APPLICATION NUMBER: 60/099816
DR FILING DATE: 1998-09-10
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DR FILING DATE: 1998-09-10
DR APPLICATION NUMBER: 60/10038
DR FILING DATE: 1998-09-15
DR APPLICATION NUMBER: 60/10038
DR FILING DATE: 1998-09-16
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DR APPLICATION NUMBER: 60/10038
DR APPLICATION NUMBER: 60/100661
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                      PRIOR APPLICATION NUMBER: 60/098716
PRIOR PILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098723
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PRIOR APPLICATION NUMBER: 60/099536
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US-10-006-116A-294/c
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Matches 24
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CURRENT FILING DATE: 2001-12-16
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and
TITLE OF INVENTION: Acids Encoding the Same
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DR APPLICATION NUMBER: 60/105694

DR FILING DATE: 1998-10-26

DR APPLICATION NUMBER: 60/105807

DR FILING DATE: 1998-10-27

DR APPLICATION NUMBER: 60/105881

DR FILING DATE: 1998-10-27

DR APPLICATION NUMBER: 60/105882

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DR APPLICATION NUMBER: 60/10682

DR APPLICATION NUMBER: 60/106023
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FILING DATE: 1998-10-22
APPLICATION NUMBER: 60/105693
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Gao, Wei-Qiang
Goddard, Audrey
Goddwski, Paul J.
Grimaldi, Christopher J
Gurney, Austin L.
Hillan, Kenneth J.
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Botstein, David
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o. US20030082626A1
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Pred. No. 82;
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PRIOR APPLICATION NUMBER: 60/100584
PRIOR FILING DATE: 1998-09-16
PRIOR APPLICATION NUMBER: 60/100627
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OR FILING DATE: 1998-09-23
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OR APPLICATION NUMBER: 60/100664
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OR FILING DATE: 1998-09-17
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FILING DATE: 1998-09-17
APPLICATION NUMBER: 60/100930
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APPLICATION NUMBER: 60/100385
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FILING DATE: 1998-09-10
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APPLICATION NUMBER: 60/103679
FILING DATE: 1998-10-08
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APPLICATION NUMBER: 60/102684
FILING DATE: 1998-10-01
APPLICATION NUMBER: 60/102687
APPLICATION NUMBER: 60/102687
FILING DATE: 1998-10-01
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FILING DATE: 1998-09-30
APPLICATION NUMBER: 60/102487
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                                                                                                                                                                                                                                               APPLICATION NUMBER: 60/103711
FILING DATE: 1998-10-08
APPLICATION NUMBER: 60/104257
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APPLICATION NUMBER: 60/103258
FILING DATE: 1998-10-06
APPLICATION NUMBER: 60/103314
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APPLICATION NUMBER: 60/102570
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APPLICATION NUMBER: 60/103633
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APPLICATION NUMBER: 60/103449
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FILING DATE: 1998-10-07
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FILING DATE: 1998-10-07
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             FILING DATE: 1998-10-22
APPLICATION NUMBER: 60/105693
                                            FILING DATE: 1998-10-22
APPLICATION NUMBER: 60/105266
                                                                               FILING DATE: 1998-10-21
APPLICATION NUMBER: 60/105169
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APPLICATION NUMBER:
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1998-10-26
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RESULT 28
US-10-006-117A-294/c
y Sequence 294, Application US/10006117A
publication No. US20030082627A1
GENERAL INFORMATION:
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US-10-006-117A-293
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PRIOR APPLICATION NUMBER: 60/105881
PRIOR FILING DATE: 1998-10-27
PRIOR APPLICATION NUMBER: 60/105882
PRIOR FILING DATE: 1998-10-27
PRIOR APPLICATION NUMBER: 60/106023
PRIOR FILING DATE: 1998-10-28
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Best Local Sim:
Matches 24;
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SEQ ID NO 293
LENGTH: 24
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Best Local Similarity
Matches 24; Conserv
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Publication No.
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                                           APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2830P1C13 CURRENT APPLICATION NUMBER: US/10/006,117A CURRENT FILING DATE: 2002-03-19 Prior Application removed - See File Wrapper or Palm PRIOR FILING DATE: 2001-07-09
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   APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                      FEATURE:
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Gao, Wei-Qiang
Goddard, Audrey
Godowski, Paul J.
Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
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Ferrara, Napoleone
Fong, Sherman
Gao, Wei-Qiang
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Eaton, Dan l
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Goddard, Audrey

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US-10-006-117A-294
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Best Local S
Matches 24
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GENERAL INFORMATION
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LENGTH: 24
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CURRENT APPLICATION NUMBER: US/10/017,527A
CURRENT FILING DATE: 2001-12-13
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CURRENT FILING DATE: 2002-03-19
Prior Application removed - See File Wrapper or Palm
PRIOR FILING DATE: 2001-07-09
NUMBER OF SEQ ID NOS: 477
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PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098723
PRIOR FILING DATE: 1998-09-01
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
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ORGANISM: Artificial Sequence
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FILING DATE: 1998-09-01
APPLICATION NUMBER: 60/098750
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                                                                                                   APPLICATION NUMBER: 60/098821
                                                                                                                                     APPLICATION NUMBER: 60/098803
                              APPLICATION NUMBER: 60/099536
                                                 FILING DATE:
                                                                   APPLICATION NUMBER:
                                                                                   FILING DATE:
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Godowski, Paul J.
Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
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Gao, Wei-Qiang
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Botstein, David
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o. US20030082628A1
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Hillan, Kenneth J.
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Grimaldi, Christopher
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                                                 1998-09-02
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60/099596
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R FILING DATE: 1998-09-17
RR APPLICATION NUMBER: 60/101014
RR FILING DATE: 1998-09-18
RR APPLICATION NUMBER: 60/101068
RR FILING DATE: 1998-09-18
RR APPLICATION NUMBER: 60/101071
RR APPLICATION NUMBER: 60/101071
RR APPLICATION NUMBER: 60/101071 APPLICATION NUMBER: 60/101279 FILING DATE: 1998-09-22 APPLICATION NUMBER: 60/101471 FILING DATE: 1998-0 APPLICATION NUMBER: FILING DATE: 1998-09-23 APPLICATION NUMBER: 60/101474 APPLICATION NUMBER: 60/101472 FILING DATE: 1998-09-18
APPLICATION NUMBER: 60/100919 FILING DATE: 1998-09-17 APPLICATION NUMBER: 60/100848 FILING DATE: 1998-09-18 FILING DATE: APPLICATION NUMBER: 60/100930 APPLICATION NUMBER: 60/100849 APPLICATION NUMBER: 60/100710 FILING DATE: 1998-09-17 APPLICATION NUMBER: 60/100683 FILING DATE: 1998-09-17 APPLICATION NUMBER: 60/099598
FILING DATE: 1998-09-09
APPLICATION NUMBER: 60/099602
FILING DATE: 1998-09-09 APPLICATION NUMBER: 60/100711 APPLICATION NUMBER: 60/100684 APPLICATION NUMBER: 60/100664 APPLICATION NUMBER: 60/100662 APPLICATION NUMBER: APPLICATION NUMBER: 60/100627 FILING DATE: APPLICATION NUMBER: 60/100584 FILING DATE: APPLICATION NUMBER: 60/100390 APPLICATION NUMBER: 60/100388 FILING DATE: FILING DATE: 1998-09-10 APPLICATION NUMBER: 60/099815 FILING DATE: 1998-09-10 APPLICATION NUMBER: 60/099808 APPLICATION NUMBER: 60/099792 APPLICATION NUMBER: 60/099754 FILING DATE: 1998-09-09 APPLICATION NUMBER: 60/099642 FILING DATE: FILING DATE: FILING DATE: FILING DATE: FILING DATE: APPLICATION NUMBER: 60/100385 FILING DATE: APPLICATION NUMBER: 60/099816 FILING DATE: 1998-09-10 APPLICATION NUMBER: 60/099812 FILING DATE: 1998-09-10 FILING DATE: APPLICATION NUMBER: FILING DATE: FILING DATE: APPLICATION NUMBER: 60/099741 FILING DATE: 1998-09-09 FILING DATE: 1998-09-1 NUMBER: 60/101476 1998-09-16 1998-09-10 1998-09-23 1998-09-23 1998-09-2 1998-09-16 1998-09-1 1998-09-16 1998-09-16 1998-09-15 1998-09-15 1998-09-15 1998-09-10 1998-09-10 1998-09-60/100661 60/101475 60/099763

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FILING DATE:

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APPLICATION NUMBER: 60/102207

1998-09-29 1998-09-24

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APPLICATION NUMBER: 60/102331 FILING DATE: 1998-09-29

FILING DATE: 1998-09-29 APPLICATION NUMBER: 60/102330 APPLICATION NUMBER: 60/102307 FILING DATE: 1998-09-29 FILING DATE: 1998-09-29 APPLICATION NUMBER: 60/102240

APPLICATION NUMBER: 60/102484

1998-09-30

APPLICATION NUMBER: FILING DATE:

60/102487

PRIOR PRIOR

APPLICATION NUMBER: 60/101738 FILING DATE: 1998-09-24

APPLICATION NUMBER: 6
FILING DATE: 1998-09APPLICATION NUMBER: 6

FILING DATE: 1998-09-

NUMBER: 60/101479

60/101477

FILING DATE: 1998-09-24 APPLICATION NUMBER: 60/101916

APPLICATION NUMBER: 60/101915 APPLICATION NUMBER: 60/101743 FILING DATE: 1998-09-24 FILING DATE: 1998-09-24 APPLICATION NUMBER: 60/101741

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RESULT 30
US-10-017-527A-294/c
; Sequence 294, Application US/10017527A
; Publication No. US20030082628A1
; Publication INFORMATION:
GENERAL INFORMATION:
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PRIOR APPLICATION NUMBER: 60/105266
PRIOR APPLICATION NUMBER: 60/105693
PRIOR FILING DATE: 1998-10-26
PRIOR PPLICATION NUMBER: 60/105694
PRIOR PPLICATION NUMBER: 60/105694
PRIOR PILING DATE: 1998-10-26
PRIOR APPLICATION NUMBER: 60/105807
PRIOR FILING DATE: 1998-10-27
PRIOR PILING DATE: 1998-10-27
PRIOR PILING DATE: 1998-10-27
PRIOR PILING DATE: 1998-10-27
PRIOR APPLICATION NUMBER: 60/10582
PRIOR PILING DATE: 1998-10-27
PRIOR PILING DATE: 1998-10-27
PRIOR APPLICATION NUMBER: 60/10582
PRIOR FILING DATE: 1998-10-28
PRIOR FILING DATE: 1998-10-28
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TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830PIC63
CURRENT APPLICATION NUMBER: US/10/017,527A
CURRENT FILING DATS: 2001-12-13
PRIOR APPLICATION NUMBER: 60/098716
PRIOR FILING DATE: 1998-09-01
PRIOR FILING DATE: 1998-09-01
PRIOR PLICATION NUMBER: 60/098723
PRIOR FILING DATE: 1998-09-01
PRIOR PLICATION NUMBER: 60/09873
PRIOR PRICING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/09879
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098750
PRIOR APPLICATION NUMBER: 60/098803
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PRIOR APPLICATION NUMBER: 60/098821
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OR APPLICATION NUMBER: 60/09536
OR FILING DATE: 1998-09-09
OR APPLICATION NUMBER: 60/09596
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OR APPLICATION NUMBER: 60/09598
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INVENTION: Secreted and Transmembrane Polypeptides and Nucleic INVENTION: Acids Encoding the Same
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Gao, Wei-Qiang
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Godowski, Paul J.
Grimaldi, Christopher
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Hillan, Kenneth J.
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FILING DATE: 1998-10-08
APPLICATION NUMBER: 60/103679
FILING DATE: 1998-10-08

FILING DATE: 1998-10-06
APPLICATION NUMBER: 60/103633

APPLICATION NUMBER: 60/103449 APPLICATION NUMBER: 60/103401 FILING DATE: 1998-10-07 FILING DATE: 1998-10-07

FILING DATE: 1998-10-08 APPLICATION NUMBER: 60/103678

APPLICATION NUMBER: 60/103395 FILING DATE: 1998-10-07 APPLICATION NUMBER: 60/103396

FILING DATE: 1998-10-07 APPLICATION NUMBER: 60/103315

APPLICATION NUMBER: FILING DATE: FILING DATE:

APPLICATION NUMBER: 60/103258 APPLICATION NUMBER: 60/102965

1998-10-06

60/103314

1998-10-02

APPLICATION NUMBER: 60/103328

FILING DATE:

1998-10-07

APPLICATION NUMBER: 60/102684 FILING DATE: 1998-10-01 APPLICATION NUMBER: 60/102687

FILING DATE: 1998-10-01

FILING DATE: 1998-09-30 APPLICATION NUMBER: 60/102571 FILING DATE: 1998-09-30 APPLICATION NUMBER: 60/102570

FILING DATE:

1998-09-30

APPLICATION NUMBER: 60/105002 FILING DATE: 1998-10-20 APPLICATION NUMBER: 60/105104 FILING DATE: 1998-10-21 APPLICATION NUMBER: 60/105169

APPLICATION NUMBER: 60/104987 FILING DATE: 1998-10-20 APPLICATION NUMBER: 60/105000 FILING DATE: 1998-10-20

APPLICATION NUMBER: 60/103711 FILING DATE: 1998-10-08 APPLICATION NUMBER: 60/104257 FILING DATE: 1998-10-14

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98-10-26 BER: 60/10569	8-10-22 88: 60/10569	ER: 6	NUMBER: 6	NUMBER: 60/105104	8-10-20	8-10-20	NUMBER: 60/105000	NUMBER: 60	8-10-14	8-10-08	NUMBER: 60	NUMBER: 60/103679	: 1998-10-08		NUMBER: 60	: 1998-10-06	: 1998-	NUMBER: 6	1998-10-	: 1998-10-07	NUMBER: 6		: 1998-10-07	: 1998-10-07 NUMBER: 60/103315	NUMBER: 60		8-10-02	: 1998-10-01 NUMBER: 60/10296	NUMBER: 6	NUMBER: 60/102684	: 1998-09-30	NUMBER	NUMBER: 60	: 1998-09-30	: 1998-09-30	NUMBER: 60	NUMBER: 6	: 1998-09-29	NUMBER: 60	NUMBER: 60	: 1998-09-29		NUMBER: 60	: 1998-09-24	: 1998-09-24	NUMBER	: 1998-

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OR APPLICATION NUMBER: 60/099741
OR APPLICATION NUMBER: 60/099754
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OR FILING DATE: 1998-09-10
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                                                                                                       Sequence 294, Application US/10013913A Publication No. US20030083462A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                         Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 293
LENGTH: 24
                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
Matches 24; Conserv
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                                             APPLICANT:
APPLICANT:
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CURRENT FILING DATE: 2002-07-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2830P1C40
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                 APPLICANT:
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ORGANISM: Artificial Sequence
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APPLICATION NUMBER: 60/105881
FILING DATE: 1998-10-27
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Godowski, Paul J.
Grimaldi, Christopher J
Gurney, Austin L.
Hillan, Kenneth J.
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Gao, Wei-Qiang
Ferrara, Napoleone
Fong, Sherman
Gao, Wei-Qiang
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                                                           Desnoyers,
                                                                       Botstein, David
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                                             Eaton, Dan 1.
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APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C6
CURRENT APPLICATION NUMBER: US/10/007,194A
CURRENT FILING DATE: 2002-06-25
PRIOR APPLICATION NUMBER: 60/098716
PRIOR APPLICATION NUMBER: 60/098723
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/09873
PRIOR APPLICATION NUMBER: 60/098749
PRIOR APPLICATION NUMBER: 60/098750
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US-10-007-194A-293
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CURRENT FILING DATE: 2002-07-15
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 294
LENGTH: 24
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APPLICANT: Baker, K
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Publication No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 1.0%;
Best Local Similarity 100.0%;
Matches 24; Conservative (
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APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C40
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APPLICANT:
APPLICANT:
                                         PRIOR APPLICATION NUMBER: 60/098821
PRIOR FILING DATE: 1998-09-02
PRIOR APPLICATION NUMBER: 60/098843
PRIOR FILING DATE: 1998-09-02
PRIOR APPLICATION NUMBER: 60/099536
                                                                                                                                                            PRIOR APPLICATION NUMBER: 60/098803 PRIOR FILING DATE: 1998-09-02
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FILING DATE: 1998-09-09
APPLICATION NUMBER: 60/099596
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Gao, Wei-Qiang
Goddard, Audrey
Godowski, Paul J.
Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
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Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
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100.0%; Pred. No.
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RESULT 37
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CURRENT FILING DATE: 2002-06-25
PRIOR APPLICATION NUMBER: 60/098716
PRIOR FILING DATE: 1998-09-01
PRIOR PRIOR DATE: 1998-09-01
PRIOR PRIOR DATE: 1998-09-01
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098749
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R APPLICATION NUMBER: 60/099596

DR FILING DATE: 1998-09-09

DR APPLICATION NUMBER: 60/099598

DR FILING DATE: 1998-09-09

DR APPLICATION NUMBER: 60/099602
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DR FILING DATE: 1998-10-26
DR FILING DATE: 1998-10-27
DR FILING DATE: 1998-10-27
DR APPLICATION NUMBER: 60/105881
DR FILING DATE: 1998-10-27
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DR APPLICATION NUMBER: 60/105882
DR FILING DATE: 1998-10-28
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FILING DATE: 1998-09-02
APPLICATION NUMBER: 60/098843
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APPLICATION NUMBER: 60/099536
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                                 FILING DATE: 1998-09-09
APPLICATION NUMBER: 60/099642
FILING DATE: 1998-09-09
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FILING DATE: 1998-10-26
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Goddard,
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Gao, Wei-Qiang
Goddard, Audrey
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Paoni, Nicholas F.
VENTION: Secreted and Transmembrane
VENTION: Acids Encoding the Same
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Grimaldi, Christopher
Gurney, Austin L.
Hillan, Kenneth J.
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Botstein, David
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      60/099741
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                       PRIOR APPLICATION NUMBER: 60/109816
PRIOR FILING DATE: 1998-09-15
PRIOR APPLICATION NUMBER: 60/100385
PRIOR PILING DATE: 1998-09-15
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PRIOR FILING DATE: 1998-09-15
PRIOR APPLICATION NUMBER: 60/100584
PRIOR APPLICATION NUMBER: 60/100627
PRIOR PILING DATE: 1998-09-16
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PRIOR APPLICATION NUMBER: 60/100919
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PRIOR APPLICATION NUMBER: 60/101014
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OR APPLICATION NUMBER: 60/101479
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APPLICATION NUMBER: 60/
FILING DATE: 1998-09-10
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APPLICATION NUMBER: 60/099792
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APPLICATION NUMBER: 60/099754
FILING DATE: 1998-09-10
APPLICATION NUMBER: 60/099763
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APPLICATION NUMBER: 60/105266
FILING DATE: 1998-10-22
APPLICATION NUMBER: 60/105693
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FILING DATE: 1998-10-20
APPLICATION NUMBER: 60/105104
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APPLICATION NUMBER: 60/105000
FILING DATE: 1998-10-20
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APPLICATION NUMBER: 60/104987
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FILING DATE: 1998-10-08
APPLICATION NUMBER: 60/103678
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APPLICATION NUMBER: 60/103449
FILING DATE: 1998-10-06
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FILING DATE: 1998-10-02
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APPLICATION NUMBER: 60/102487
                                    FILING DATE:
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APPLICATION NUMBER: 60/103396
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APPLICATION NUMBER: 60/103328
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APPLICATION NUMBER: 60/102571
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NUMBER: 60/105694
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APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Poly
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C31
CURRENT APPLICATION NUMBER: US/10/013,430A
CURRENT FILING DATE: 2002-06-25
Prior Application removed - See File Wrapper or Pail Number OF SEQ ID NOS: 477
SEQ ID NO 293
LENGTH: 24
TYPE: DNA
                                                                                                                                          RESULT 36
US-10-013-430A-294/c
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US-10-013-430A-293
                                                                                 ; Sequence 294, Applica
; Publication No. US200
; GENERAL INFORMATION:
; APPLICANT: Baker, Ke
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PRIOR APPLICATION NUMBER: 60/105881
PRIOR HPLING DATE: 1998-10-27
PRIOR APPLICATION NUMBER: 60/105882
PRIOR FILING DATE: 1998-10-27
PRIOR APPLICATION NUMBER: 60/106023
PRIOR FILING DATE: 1998-10-28
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Best Local :
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APPLICANT: Baker, K
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Gao, Wei-Qiang
Goddard, Audrey
Fong, Sherman
Gao, Wei-Qiang
                                         Botstein, David
Desnoyers, Luc
Eaton, Dan 1.
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Grimaldi, Christopher
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Hillan, Kenneth J.
                            Ferrara, Napoleone
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Eaton, Dan 1.
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                                                                                                               Application US/10013430A
5. US20030092883A1
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                                                                                    Kevin P.
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Pred. No.
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Pred. No.
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                                        CURRENT FILING DATE: 2002-06-10
PRIOR APPLICATION NUMBER: 60/098716
PRIOR FILING DATE: 1998-09-01
PRIOR PPLICATION NUMBER: 60/098723
PRIOR APPLICATION NUMBER: 60/098749
PRIOR APPLICATION NUMBER: 60/098749
PRIOR FILING DATE: 1998-09-01
PRIOR PRIOR APPLICATION NUMBER: 60/098750
PRIOR FILING DATE: 1998-09-02
PRIOR PRIOR DATE: 1998-09-02
PRIOR PRIOR PRIOR DATE: 1998-09-02
PRIOR FILING DATE: 1998-09-02
PRIOR PRIOR PRIOR DATE: 1998-09-02
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Matches
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CURRENT FILING DATE: 2002-06-25
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 294
LENGTH: 24
TYPE: DNA
ORGANISM: Artificial Sequence
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Best Local Similarity
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APPLICANT:
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: PE330PLC27
CURRENT APPLICATION NUMBER: US/10/011,671A
CURRENT FILING DATE: 2002-06-10
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TITLE OF INVENTION: Secreted and Transmembrane
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C31
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OTHER INFORMATION: Synthetic oligonucleotide
FILING DATE APPLICATION
              APPLICATION NUMBER: 60/099596 FILING DATE: 1998-09-09
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Grimaldi, Christoph
Gurney, Austin L.
Hillan, Kenneth J.
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Grimaldi, Christopher
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Gao, Wei-Qiang
Goddard, Audrey
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Desnoyers, Luc
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5. US20030096954A1
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OR APPLICATION NUMBER: 60/100584
OR FILING DATE: 1998-09-16
OR APPLICATION NUMBER: 60/100627
OR FILING DATE: 1998-09-16
OR APPLICATION NUMBER: 60/100661
OR FILING DATE: 1998-09-16
OR APPLICATION NUMBER: 60/100662
OR APPLICATION NUMBER: 60/100664
OR APPLICATION NUMBER: 60/100664
OR APPLICATION NUMBER: 60/100664
OR APPLICATION NUMBER: 60/100683
OR APPLICATION NUMBER: 60/100683
OR APPLICATION NUMBER: 60/100683
OR APPLICATION NUMBER: 60/100684
OR APPLICATION NUMBER: 60/100684 OR FILING DATE: 1998-09-23
OR APPLICATION NUMBER: 60/101474
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OR APPLICATION NUMBER: 60/100385
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OR FILING DATE: 1998-09-15 OR FILING DATE: 1998-09-10
OR APPLICATION NUMBER: 60/099754
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FILING DATE: 1998-09-18 FILING DATE: 1998-09-17 FILING DATE: 1998-09-10 DATE: 1998-09-09 NUMBER: 60/101068 1998-09-22 1998-09-18 1998-09-17 60/101471 60/101279 60/101014 60/100930

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APPLICATION NUMBER: 60/104257
FILING DATE: 1998-10-14
APPLICATION NUMBER: 60/104987
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APPLICATION NUMBER: 60/105002
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APPLICATION NUMBER: 60/102570
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             FILING DATE:
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APPLICATION NUMBER: 60/103679
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APPLICATION NUMBER: 60/102330
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RESULT 30
US-10-011-671A-294/c
; Sequence 294, Application US/10011671A
; Yiartion No. US20030096954A1
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Pan, James
APPLICANT: Pani, James
APPLICANTON: Secreted and Transmembran
TITLE OF INVENTION: Secreted and Transmembran
TITLE OF INVENTION NUMBER: 60/098716
PRIOR APPLICATION UMBER: 60/098723
PRIOR APPLICATION NUMBER: 60/098803
PRIOR APPLICATION NUMBER: 60/098803
PRIOR APPLICATION NUMBER: 60/09881
PRIOR APPLICATION NUMBER: 60/09881
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PRIOR APPLICATION NUMBER: 60/105693
PRIOR FILING DATE: 1998-10-26
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PRIOR FILING DATE: 1998-10-27
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OR APPLICATION NUMBER: 60/105881

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24; Conservative
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FENTION: Secreted and Transmembrane Polypeptides and Nucleic VENTION: Acids Encoding the Same
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Grimaldi, Christopher J.
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Cao, Wei-Qiang
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Eaton, Dan 1.
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Botstein, David
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DR APPLICATION NUMBER: 60/099808
DR FILING DATE: 1998-09-10
DR APPLICATION NUMBER: 60/099812
DR FILING DATE: 1998-09-10
DR APPLICATION NUMBER: 60/099816
DR FILING DATE: 1998-09-10
DR FILING DATE: 1998-09-10

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NUMBER:

60/099792 60/099763

1998-09-10 1998-09-10 1998-09-10

APPLICATION FILING DATE: APPLICATION

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60/099754

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R FILING DATE: 1998-09
R APPLICATION NUMBER: 6
R FILING DATE: 1998-09

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NUMBER: 60/100584: 1998-09-16

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60/100662 60/100661 NUMBER: 60/100388 NUMBER: 60/100385

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PRIOR
PRIOR OR FILING DATE: 1998-09-24
OR APPLICATION NUMBER: 60/101915
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OR APPLICATION NUMBER: 60/1

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FILING DATE:
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APPLICATION N

1998-09-17

60/100848

NUMBER: NUMBER:

60/100849

1998-09-18

DR FILING DATE: 1998-09-16

PR APPLICATION NUMBER: 60/100664

PR FILING DATE: 1998-09-16

PR FILING DATE: 1998-09-17

PR APPLICATION NUMBER: 60/100683

PR FILING DATE: 1998-09-17

PR APPLICATION NUMBER: 60/100684

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DR APPLICATION NUMBER: 60/101014

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DR APPLICATION NUMBER: 60/101016

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Best Local Similarity
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LENGTH: 24
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Best Local Similarity 100.0%;
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CURRENT FILING DATE: 2002-06-10

Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         -10-012-755A-293
                                    APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: Synthetic oligonucleotide probe
                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Artificial Sequence
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Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
Fong, Sherman
Gao, Wei-Qiang
Goddard, Audrey
                                                 Ferrara, Napoleone
                                                               Desnoyers, Luc
Eaton, Dan 1.
                                                                                                  laker, Kevin P.
Botstein, David
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Gao, Wei-Qiang
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Eaton, Dan 1.
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                                                                                                                                                Application US/10012755A
o. US20030096955A1
                                                                                                                                                                                                                                                                                                                    Conservative
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100.0%; Pred. No.
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; OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-015-386A-293
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US-10-015-386A-293
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US-10-012-755A-294
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NUMBER OF SEQ ID NOS: 477
SEQ ID NO 293
LENGTH: 24
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CURRENT FILING DATE: 2002-06-10
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 294
LENGTH: 24
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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APPLICANT: Baker, K
                                                                     Matches
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Best Local
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Best Local Similarity 100.0%;
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APPLICANT:
APPLICANT:
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APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2830P1C55
CURRENT APPLICATION NUMBER: US/10/015,386A
CURRENT FILING DATE: 2001-12-12
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C28
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                                                                                                                                                                                                                   TYPE: DNA
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                                 1041 GCTGACCTGGTTCCCATCTACTCC 1064
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                                                                                     Similarity
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Grimaldi, Christopher J.
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Hillan, Kenneth J.
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Hillan, Kenneth J.
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Eaton, Dan 1.
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o. US20030099625A1
                                                                     Conservative 0;
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                                                                                     1.0%; Score 24;
00.0%; Pred. No.
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00.0%; Pred. No.
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                                                                                       DB 1; Length 24; 82;
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US-10-015-386A-294/c

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; OTHER INFORMATION: Synthetic oligonucleotide probe US-10-015-386A-294
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                                                Prior application removed - See file Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 293
LENGTH: 24
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Best Local
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APPLICANT:
APPLICANT:
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APPLICANT: Paoni, Notlas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C30
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: PERSOPICS5
CURRENT APPLICATION NUMBER: US/10/015,386A
CURRENT FILING DATE: 2001-12-12
                                                                                                                            CURRENT APPLICATION NUMBER: US/10/011,692A CURRENT FILING DATE: 2001-12-07
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FEATURE:
               ORGANISM: Artificial Sequence
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Grimaldi, Christopher
Gurney, Austin L.
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Gao, Wei-Qiang
Goddard, Audrey
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Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
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Botstein, David
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Eaton, Dan 1.
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US-10-006-768A-293
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; Publication No. US200;
; GENERAL INFORMATION:
GENERAL INFORMATION:
; APPLICANT: Baker, Ke
APPLICANT: Botstein
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APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
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Matches 24; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity 100.0%; Pnes 24; Conservative 0;
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                                          Fong, Sherman
Gao, Wei-Qiang
Goddard, Audrey
Godowski, Paul J.
Grimaldi, Christopher J.
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Gao, Wei-Qiang
                                                                                                                                              Botstein, David
Desnoyers, Luc
Eaton, Dan 1.
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Hillan, Kenneth J.
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Grimaldi, Christopher J.
Pan, James
             Gurney, Austin L.
Hillan, Kenneth J.
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                                                                                                                                Ferrara, Napoleone
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o. US20030113793A1
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                                                                                                                                                                                                Kevin P.
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100.0%; Pred. No.
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RESULT 47
US-10-017-610A-293
; Sequence 293, Application US/10017610A
; Publication No. US20030113795A1
; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                ; OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-006-768A-294
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Matches
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Prior Application removed - See File Wrapper or SEQ ID NO 294
LENGTH: 24
                                                                                                                                                                                           Query Match
Best Local Similarity
Matches 24; Conserv
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Best Local &
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APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic FITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2830P1C10
CURRENT APPLICATION NUMBER: US/10/006,768A
CURRENT FILING DATE: 2002-03-05
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/10/006,768A CURRENT FILING DATE: 2002-03-05
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2830P1C10
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                           TYPE: DNA
ORGANISM: Artificial Sequence
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Hillan, Kenneth J.
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Grimaldi, Christopher J.
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100.0%; Pred. No.
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2830P1C64
CURRENT APPLICATION NUMBER: US/10/017,610A
CURRENT FILING DATE: 2001-12-13
PRIOR APPLICATION NUMBER: 60/098716
PRIOR PILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098723
PRIOR APPLICATION NUMBER: 60/098723
PRIOR APPLICATION NUMBER: 60/098749
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PRIOR APPLICATION NUMBER: 60/098750
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098803
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DR APPLICATION NUMBER: 60/100627

R FILING DATE: 1998-09-16

DR APPLICATION NUMBER: 60/100661

DR APPLICATION NUMBER: 60/100662

DR APPLICATION NUMBER: 60/100662

DR FILING DATE: 1998-09-16
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APPLICATION NUMBER: 60/100584
FILING DATE: 1998-09-16
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FILING DATE: 1998-09-10
APPLICATION NUMBER: 60/100385
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FILING DATE: 1998-09-10
APPLICATION NUMBER: 60/099815
FILING DATE: 1998-09-10
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APPLICATION NUMBER: 60/099741
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APPLICATION NUMBER: 60/099602
FILING DATE: 1998-09-09
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APPLICATION NUMBER: 60/098843
FILING DATE: 1998-09-02
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FILING DATE: 1998-09-09
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cao, Wei-Qiang
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Grimaldi, Christopher J.
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Hillan, Kenneth J.
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APPLICATION NUMBER: 60
FILING DATE: 1998-09-1
APPLICATION NUMBER: 60
FILING DATE: 1998-09-1

60/100683 60/100664

APPLICATION NUMBER: 60/100684 FILING DATE: 1998-09-17

APPLICATION NUMBER: 60/100710

1998-09-

60/100711

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RESULT 48
US-10-017-610A-294/c
; Sequence 294, Application US/10017610A
; Publication No. US20030113795A1
; GENERAL INFORMATION:
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Matches 24
         APPLICANT: Baker, F
APPLICANT: Botster
APPLICANT: Desnoye
APPLICANT: Eaton,
APPLICANT: Forey, E
APPLICANT: Fong, E
APPLICANT: Gao, We
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OR APPLICATION NUMBER: 60/103678
OR APPLICATION NUMBER: 60/103679
OR FILING DATE: 1998-10-08
OR PELICATION NUMBER: 60/103679
OR PELICATION NUMBER: 60/103711
OR APPLICATION NUMBER: 60/103711
OR FILING DATE: 1998-10-08
OR APPLICATION NUMBER: 60/104987
OR FILING DATE: 1998-10-20
OR FILING DATE: 1998-10-20
OR FILING DATE: 1998-10-20
OR PELICATION NUMBER: 60/105000
OR FILING DATE: 1998-10-20
OR APPLICATION NUMBER: 60/105002
OR APPLICATION NUMBER: 60/105104
OR APPLICATION NUMBER: 60/105104
OR FILING DATE: 1998-10-21
OR PILING DATE: 1998-10-21
OR APPLICATION NUMBER: 60/105104
OR PILING DATE: 1998-10-21
OR APPLICATION NUMBER: 60/105104
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OR APPLICATION NUMBER: 60/105169
OR PILING DATE: 1998-10-21
OR APPLICATION NUMBER: 60/105169
OR PILING DATE: 1998-10-22
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OR APPLICATION NUMBER: 60/103258
OR FILING DATE: 1998-10-06
OR FILING DATE: 1998-10-07
OR FILING DATE: 1998-10-07
OR APPLICATION NUMBER: 60/103315
OR FILING DATE: 1998-10-07
OR FILING DATE: 1998-10-07
OR FILING DATE: 1998-10-07
OR APPLICATION NUMBER: 60/103328
OR APPLICATION NUMBER: 60/103328
OR APPLICATION NUMBER: 60/103395
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DR APPLICATION NUMBER: 60/105694
DR FILING DATE: 1998-10-26
DR APPLICATION NUMBER: 60/105807
DR FILING DATE: 1998-10-27
DR PAPPLICATION NUMBER: 60/105881
DR APPLICATION NUMBER: 60/105882
DR APPLICATION NUMBER: 60/105802
DR APPLICATION NUMBER: 60/106023
DR FILING DATE: 1998-10-27
DR APPLICATION NUMBER: 60/106023
DR FILING DATE: 1998-10-28
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FILING DATE: 1998-10-
APPLICATION NUMBER: 6
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FILING DATE: 1998-10-07
APPLICATION NUMBER: 60/
FILING DATE: 1998-10-07
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Desnoyers, Luc
Eaton, Dan l
Fong, Si.-
                              Ferrara, Napoleone
Fong, Sherman
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Conservative 0;
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Pred. No.
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APPLICATION I FILING DATE:

APPLICATION NUMBER: FILING DATE: 1998-0 FILING DATE: 1998-09-29

1998-09-29

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APPLICATION N FILING DATE: APPLICATION N

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1998-09-29 1998-09-29

FILING DATE: 1998-09-30 APPLICATION NUMBER: 60/: FILING DATE: 1998-09-30

R APPLICATION NUMBER: 60/10
RR FILING DATE: 1998-09-30
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RR FILING DATE: 1998-10-01
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DR FILING DATE: 1998-10-01
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DR APPLICATION NUMBER: 60/10
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60/102570 60/102487 60/102484 60/102331 60/102330 60/102307 60/102240 60/102207

NUMBER: 60/102687: 1998-10-01

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NUMBER: 60/101479

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APPLICATION NUMBER: 60/101738 FILING DATE: 1998-09-24 APPLICATION NUMBER: 60/101741 FILING DATE: 1998-09-24

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DR FILING DATE: 1998-09-18
DR APPLICATION NUMBER: 60/101068
DR FILING DATE: 1998-09-18
DR APPLICATION NUMBER: 60/101071
DR APPLICATION NUMBER: 60/101279
DR FILING DATE: 1998-09-22
DR APPLICATION NUMBER: 60/101471
DR FILING DATE: 1998-09-23
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FILING DATE: 1998-09-17
APPLICATION NUMBER: 60/101014 APPLICATION NUMBER: 60/100930 PRIOR PRIOR

APPLICATION NUMBER:

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APPLICANT: Gurney,
APPLICANT: Hillan, Kenneum
APPLICANT: Hillan, Kenneum
APPLICANT: Pan, James
APPLICANT: Pann, James
F. APPLICANT: Pann, Nicholas F.
APPLICANT: Pann, Nicholas F.
TITLE OF INVENTION: Secreted and Transs
TITLE OF INVENTION: Acids Encoding th
TITLE OF INVENTION: NIMBER: US/10/017
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CURRENT FILING DATE: 2001-12-13
PRIOR APPLICATION UMBER: 60/098716
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098723
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098749
PRIOR APPLICATION NUMBER: 60/098749
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PRIOR APPLICATION NUMBER: 60/098750
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DR FILING DATE: 1998-09-10

PR APPLICATION NUMBER: 60/099816

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PR APPLICATION NUMBER: 60/100388

PR APPLICATION NUMBER: 60/100390

PR FILING DATE: 1998-09-15

PR APPLICATION NUMBER: 60/100584

PR FILING DATE: 1998-09-16

PR APPLICATION NUMBER: 60/100662

PR APPLICATION NUMBER: 60/100661

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R APPLICATION NUMBER: 60/099792
DR FILING DATE: 1998-09-10
DR APPLICATION NUMBER: 60/099808
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DR APPLICATION NUMBER: 60/099812
DR FILING DATE: 1998-09-10
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DR APPLICATION NUMBER: 60/09596
DR FILING DATE: 1998-09-09
DR APPLICATION NUMBER: 60/09598
DR FILING DATE: 1998-09-09
DR APPLICATION NUMBER: 60/099602
DR FILING DATE: 1998-09-09
DR APPLICATION NUMBER: 60/099642
DR FILING DATE: 1998-09-09
DR APPLICATION NUMBER: 60/099741
DR FILING DATE: 1998-09-10
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DR APPLICATION NUMBER: 60/099754
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DR APPLICATION NUMBER: 60/099763
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APPLICATION NUMBER: 60/098843
FILING DATE: 1998-09-02
APPLICATION NUMBER: 60/099536
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APPLICATION N
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Gurney, Austin L.
Hillan, Kenneth J.
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Grimaldi, Christopher
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OR FILING DATE: 1998-09-29
OR APPLICATION NUMBER: 60/102484
OR FILING DATE: 1998-09-30
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OR FILING DATE: 1998-10-01
OR APPLICATION NUMBER: 60/102684
OR FILING DATE: 1998-10-02
OR APPLICATION NUMBER: 60/102965
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OR APPLICATION NUMBER: 60/10358
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BR FILLING DATE: 1998-09-24
DR APPLICATION NUMBER: 60/102207
DR FILLING DATE: 1998-09-29
DR APPLICATION NUMBER: 60/102240
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DR APPLICATION NUMBER: 60/102330
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DR APPLICATION NUMBER: 60/101068

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DR FILING DATE: 1998-09-23
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DR APPLICATION NUMBER: 60/101476
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PR.APPLICATION NUMBER: 60/100711
PR. FILING DATE: 1998-09-17
PR. APPLICATION NUMBER: 60/100848
DR FILING DATE: 1998-09-18
PR. APPLICATION NUMBER: 60/100849
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APPLICATION NUMBER: 60/100930
FILING DATE: 1998-09-17
APPLICATION NUMBER: 60/101014
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APPLICATION NUMBER: 60/102331
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APPLICATION NUMBER:

60/103328

FILING DATE: 1998-10-07
APPLICATION NUMBER: 60/103395
FILING DATE: 1998-10-07
APPLICATION NUMBER: 60/103396

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RESULT 49
US-10-006-063A-293
; Sequence 293, App
; Publication No. U
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Matches 24
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FILING DATE: 1998-10-22
APPLICATION NUMBER: 60/105693
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APPLICATION NUMBER: 60/105169
FILING DATE: 1998-10-22
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FILING DATE: 1998-10-08
APPLICATION NUMBER: 60/104257
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APPLICATION NUMBER: 60/106023
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APPLICATION NUMBER: 60/105104
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Gao, Wei-Qiang
Goddard, Audrey
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             Pan,
                        Godowski, Paul J.
Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
                                                                                                                                                          Desnoyers, Luc
Paoni, Nicholas F
                                                                                                                  Ferrara, Napoleone
Fong, Sherman
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Botstein, David
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               James
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APPLICANT: Baker, Kevin P.

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US-10-06-063A-294/c
US-10-06-063A-294/c
; Sequence 294, Application US/10006063A
Sequence 296, Application US/1006063A
RESULT 51
US-10-020-063A-293
; Sequence 293, Application US/10020063A
; Publication No. US20030119097A1
; GENERAL INFORMATION:
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Matches 24
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CURRENT APPLICATION NUMBER: US/10/006,063A
CURRENT FILING DATE: 2002-03-15
Prior Application removed - See File Wrapper or Palm NUMBER OF SEQ ID NOS: 477
SEQ ID NO 293
LENGTH: 24
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                     Prior Application removed - See File Wrapper
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 294
LENGTH: 24
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Publication No. US200301146
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, Davi
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Best Local Similarity
Matches 24; Conserv
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CURRENT APPLICATION NUMBER: US/10/006,063A
CURRENT FILING DATE: 2002-03-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same
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                                                                                                                                                                                                                                                                                                            TYPE: DNA
ORGANISM: Artificial Sequence
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Gao, Wei-Qiang
Goddard, Audrey
Godowski, Paul J.
Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
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Paoni, Nicholas F.
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Desnoyers, Luc
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NUMBER OF SEQ ID NOS: 477
SEQ ID NO 293
LENGTH: 24
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Local Similarity 100.0%; P
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                                    Fong, Sherman
Gao, Wei-Qiang
Goddard, Audrey
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Eaton, Dan 1.
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Grimaldi, Christopher
Gurney, Austin L.
Hillan, Kenneth J.
Godowski, Paul J.
Grimaldi, Christopher
                                                                            Ferrara, Napoleone
Fong, Sherman
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Best Local S
Matches 24
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APPLICANT:
APPLICANT:
              APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: PS830P1CS9 CURRENT APPLICATION NUMBER: US/10/015,391A CURRENT FILING DATE: 2001-12-12
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CURRENT FILING DATE: 2002-09-04
PRIOR APPLICATION NUMBER: 60/098716
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098723
PRIOR FILING DATE: 1998-09-01
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PRIOR PRILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098750
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
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FILING DATE: 1998-09-02
APPLICATION NUMBER: 60/098821
FILING DATE: 1998-09-02
APPLICATION NUMBER: 60/098843
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Grimaldi, Christopher J.
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Hillan, Kenneth J.
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RESULT 55
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US-10-015-391A-293
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US-10-015-391A-294
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SEQ ID NO 294
LENGTH: 24
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Best Local Similarity
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APPLICANT: Baker, Kevin P.
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LENGTH: 24
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              APPLICANT:
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APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan 1.
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APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C59
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Fong, Sherman
Gao, Wei-Qiang
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Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
Goddard, Audrey
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Gao, Wei-Qiang
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APPLICANT: Pan, James
APPLICANT: Pan, James
APPLICANT: Pani, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C61
CURRENT APPLICATION NUMBER: US/10/017,407A
CURRENT FILING DATE: 2002-06-25
Prior Application removed - See File Wrapper ox Palm
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 294
LENGTH: 24
TYPE: DNA
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                                                             Query Match
Best Local Similarity
Matches 24; Conserv
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Best Local Similarity 100.0%;
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Gao, Wei-Qiang
Goddard, Audrey
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Hillan, Kenneth J.
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Grimaldi, Christopher J.
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100.0%; Pred. No. 82;
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100.0%; Pred. No.
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                                                      Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 294
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Best Local Similarity 100.0%;
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LENGTH: 24
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                                                                                                                  FILE REFERENCE: P2830P1C22
CURRENT APPLICATION NUMBER: US/10/011,833A
CURRENT FILING DATE: 2002-06-25
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and
TITLE OF INVENTION: Acids Encoding the Same
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CURRENT APPLICATION NUMBER: US/10/011,833A
CURRENT FILING DATE: 2002-06-25
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NUMBER OF SEQ ID NOS: 477
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ORGANISM: Artificial Sequence
FEATURE:
DRGANISM: Artificial Sequence
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Gao, Wei-Qiang
Goddard, Audrey
Godowski, Paul J.
Grimaldi, Christopher J
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Gao, Wei-Qiang
Goddard, Audrey
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Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
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Hillan, Kenneth J.
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Eaton, Dan 1.
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GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan 1.

Ferrara, Napoleone Fong, Sherman

APPLICANT: APPLICANT:

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Gao, Wei-Qiang
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Godowski, Paul J.
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Hillan, Kenneth J.

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US-10-006-041A-293
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US-10-006-041A-293
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CURRENT FILING DATE: 2001-12-06
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 293
LENGTH: 24
Sequence 294, Application US/10006041A Publication No. US20030130490A1
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Grimaldi, Christopher J.
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ong, Sherman
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100.0%; Pred. No.
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RESULT 61
US-10-015-822A-293
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US-10-015-822A-294/c
; Sequence 294, Application US/10015822A
; Publication No. US20030130491A1
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                                                     RESULT 62
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Best Local S
Matches 24
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APPLICATE: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C38
CURRENT APPLICATION NUMBER: US/10/015,822A
CURRENT FILING DATE: 2002-06-10
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 293
LENGTH: 24
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Best Local Similarity 100.0%;
Matches 24; Conservative
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CURRENT APPLICATION NUMBER: US/10/006,041A

CURRENT FILING DATE: 2001-12-06

Prior Application removed - See File Wrapper or Palm NUMBER OF SEQ ID NOS: 477
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APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
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ORGANISM: Artificial Sequence
FEATURE:
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                                                                                                                                                                                                                                                                                                                             TYPE: DNA
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nes 24; Conserv
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Gao, Wei-Qiang
Goddard, Audrey
Godowski, Paul J.
Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
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o. US20030130491A1
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Pred. No.
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APPLICANT: Paoni, Nicholas F.
TITILE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic FILE REFERENCE: P2830P1C38
CURRENT APPLICATION NUMBER: US/10/015,822A
CURRENT FILING DATE: 2002-06-10
Prior Application removed - See File Wrapper or Palm NUMBER OF SEQ ID NOS: 477
SEQ ID NO 294
LENGTH: PAON NO 294
LENGTH: PAON NUMBER OF SEQ ID NOS: 477
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; OTHER INFORMATION: Synthetic oligonucleotide probe US-10-015-387A-293
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Best Local S
                                                                            Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 293
LENGTH: 24
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CURRENT FILING DATE: 2001-12-12
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ORGANISM: Artificial Sequence
FEATURE:
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                                                                                                                                                                                  FILE REFERENCE: P2830P1C5
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IITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
IITLE OF INVENTION: Acids Encoding the Same
                                              ORGANISM: Artificial Sequence
                                FEATURE:
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Gho, Wei-Qiang
Goddard, Audrey
Godowski, Paul J.
Grimaldi, Christopher J
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Gao, Wei-Qiang
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Hillan, Kenneth J.
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Grimaldi, Christopher J.
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o. US20030135034A1
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RESULT 65
US-10-006-130A-293
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; OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-015-387A-294
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Best Local Similarity
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LENGTH: 24
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Sequence 294, Application US/10015387A
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2830P1C54
                                                                                                                                                                                                                     APPLICANT: Baker, Kevin P. APPLICANT: Botstein, David
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INVENTION: Secreted and Transmembrane Polypeptides and Nucleic INVENTION: Acids Encoding the Same
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Fong, Sherman
Gao, Wei-Qiang
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Godowski, Paul J.
Grimaldi, Christopher
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Godowski, Paul J.
Grimaldi, Christopher
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                               Paoni, Nicholas F.
                                                         Gurney, Austin L.
Hillan, Kenneth J.
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Hillan, Kenneth J.
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US-10-006-172A-293

Sequence 293, Applic Publication No. US20 GENERAL INFORMATION:

Application US/10006172A o. US20030153000A1

APPLICANT: Baker, APPLICANT: Botst

Botstein, David

Kevin P.

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RESULT 67
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US-10-006-130A-294
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US-10-006-130A-294/c
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US-10-006-130A-293
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Best Local S
                                                                                                                                                                                                                             Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 294
LENGTH: 24
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                                                                                                                                                                                                                                                                                            CURRENT FILING DATE: 2002-03-19
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                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2830P1C7
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ORGANISM: Artificial Sequence
FEATURE:
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Hillan, Kenneth J.
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Grimaldi, Christopher
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PRIOR APPLICATION NUMBER: 60/099716
PRIOR FILING DATE: 1998-09-01
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PRIOR PILING DATE: 1998-09-01
PRIOR PPLICATION NUMBER: 60/09803
PRIOR PILING DATE: 1998-09-02
PRIOR PPLICATION NUMBER: 60/098821
PRIOR APPLICATION NUMBER: 60/098821
PRIOR PILING DATE: 1998-09-02
PRIOR PPLICATION NUMBER: 60/098821
PRIOR APPLICATION NUMBER: 60/098843
PRIOR PILING DATE: 1998-09-02
PRIOR APPLICATION NUMBER: 60/099536
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APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Trans
TITLE OF INVENTION: Apids Encoding th
FILE REFERENCE: P2830P1C11
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    NUMBER: 60/100664
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NUMBER: 60/100683
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OR FILING DATE: 1998-09-18
OR APPLICATION NUMBER: 60/101472
OR APPLICATION NUMBER: 60/101473
OR APPLICATION NUMBER: 60/101741
OR FILING DATE: 1998-09-23
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DR APPLICATION NUMBER: 60/103328
DR FILING DATE: 1998-10-07
DR APPLICATION NUMBER: 60/103395
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DR APPLICATION NUMBER: 60/103396
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DR APPLICATION NUMBER: 60/103401
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IN FILLING DATE: 1998-10-08
IN APPLICATION NUMBER: 60/103711
IN FILLING DATE: 1998-10-08
IN APPLICATION NUMBER: 60/104257
IN FILLING DATE: 1998-10-14
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APPLICATION NUMBER: 60/105694
FILING DATE: 1998-10-26
APPLICATION NUMBER: 60/105807
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FILING DATE: 1998-10-20
APPLICATION NUMBER: 60/105104
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FILING DATE: 1998-10-20
APPLICATION NUMBER: 60/105000
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APPLICATION NUMBER: 60/103633
FILING DATE: 1998-10-08
APPLICATION NUMBER: 60/103678
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FILING DATE: 1998-10-27
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APPLICATION NUMBER: 60/105693
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APPLICATION I
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FILING DATE: 1998-10-07
APPLICATION NUMBER: 60/103315
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Botstein, David
Desnoyers, Luc
Eaton, Dan 1.
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  Goddard, Audrey
Godowski, Paul J.
Grimaldi, Christopher
                                                                    Gao, Wei-Qiang
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APPLICANY: Hillan, Kenneth J.
APPLICANY: Hillan, Kenneth J.
APPLICANY: Paoni, Macdel F.
ITITLS OF INVENTION: Secreted and Transmembrane Pol
ITITLS OF INVENTION: Acids Encoding the Same
FILE REFERENCE: PRABOPICIA:
CURRENT PAPLICATION UNMERS: 60/098716
RRIOR FILING DATE: 1998-09-01
RRIOR PAPLICATION UNMERS: 60/098723
PRIOR PAPLICATION UNMERS: 60/09873
PRIOR PAPLICATION UNMERS: 60/098749
PRIOR PAPLICATION UNMERS: 60/098750
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PRIOR PAPLICATION UNMERS: 60/100386
PRIOR PAP
                             PRIOR
OR APPLICATION NUMBER: 60/100662
OR FILING DATE: 1998-09-16
OR APPLICATION NUMBER: 60/100664
OR APPLICATION NUMBER: 60/100683
OR FILING DATE: 1998-09-17
OR APPLICATION NUMBER: 60/100684
OR FILING DATE: 1998-09-17
OR APPLICATION NUMBER: 60/100710
OR APPLICATION NUMBER: 60/100710
OR APPLICATION NUMBER: 60/100711
OR APPLICATION NUMBER: 60/100711
OR FILING DATE: 1998-09-17
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RESULT 69
US-10-017-253A-293
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Matches 24
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OR FILING DATE: 1998-10-08
OR APPLICATION NUMBER: 60/104257
OR FILING DATE: 1998-10-14
OR APPLICATION NUMBER: 60/104987
OR PILING DATE: 1998-10-20
OR APPLICATION NUMBER: 60/105000
OR FILING DATE: 1998-10-20
OR APPLICATION NUMBER: 60/105002
OR APPLICATION NUMBER: 60/105104
OR FILING DATE: 1998-10-20
OR PILING DATE: 1998-10-21
OR APPLICATION NUMBER: 60/105169
OR FILING DATE: 1998-10-22
OR APPLICATION NUMBER: 60/105266
OR FILING DATE: 1998-10-22
OR APPLICATION NUMBER: 60/105693
OR FILING DATE: 1998-10-26
OR APPLICATION NUMBER: 60/105694
OR APPLICATION NUMBER: 60/105807
OR APPLICATION NUMBER: 60/105807
OR FILING DATE: 1998-10-27
OR APPLICATION NUMBER: 60/105801
OR APPLICATION NUMBER: 60/105802
OR APPLICATION NUMBER: 60/105003
OR FILING DATE: 1998-10-27
OR APPLICATION NUMBER: 60/105802
OR APPLICATION NUMBER: 60/105003
OR FILING DATE: 1998-10-27
OR APPLICATION NUMBER: 60/105003
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OR APPLICATION NUMBER: 60/103396
DR FILING DATE: 1998-10-07
OR APPLICATION NUMBER: 60/103401
DR FILING DATE: 1998-10-07
OR APPLICATION NUMBER: 60/103449
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PR APPLICATION UNMBER: 60/10

PR FILING DATE: 1998-10-08

PR APPLICATION NUMBER: 60/10

PR FILING DATE: 1998-10-08

PR FILING DATE: 1998-10-08
         REFERENCE:
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T: Paoni, Nicholas F.
INVENTION: Secreted and Tra
INVENTION: Acids Encoding
ERENCE: P2830P1C62
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Gao, Wei-Qlang
Goddard, Audrey
Godowski, Paul J
Grimaldi, Christopher J
Gurney, Austin L
Hillan, Kenneth J.
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Eaton, Dan l.
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5. US20030166055A1
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Pred. No.
                                                                                           Transmembrane Polypeptides and Nucleic
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                                                      the
                                                      Same
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. 82;
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PRIOR PRIOR

DR APPLICATION NUMBER: 60/102684

RR FILLING DATE: 1998-10-01

PR FILLING DATE: 1998-10-01

PR APPLICATION NUMBER: 60/102965

PR FILLING DATE: 1998-10-02

PR FILLING DATE: 1998-10-02

APPLICATION NUMBER: 60/103258 FILING DATE: 1998-10-06 APPLICATION NUMBER: 60/103314

R FILING DATE:
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: 1998-10-07 NUMBER: 60/103328

1998-10-07

60/103395

NUMBER:

60/103315

1998-10-07

OR APPLICATION NUMBER: 60/10231

OR FILING DATE: 1998-09-29

OR APPLICATION NUMBER: 60/102484

OR FILING DATE: 1998-09-30

OR APPLICATION NUMBER: 60/102487

OR FILING DATE: 1998-09-30

OR APPLICATION NUMBER: 60/102570

OR FILING DATE: 1998-09-30

OR FILING DATE: 1998-09-30

OR FILING DATE: 1998-09-30

PRIOR PRIOR PRIOR

FILING DATE: 1998-09-29
APPLICATION NUMBER: 60/102307
FILING DATE: 1998-09-29
APPLICATION NUMBER: 60/102330
FILING DATE: 1998-09-29

PRIOR PRIOR PRIOR

APPLICATION NUMBER: 60/101916 FILING DATE: 1998-09-24 APPLICATION NUMBER: 60/102207

FILING DATE: 1998-09-29 APPLICATION NUMBER: 60/102240

PRIOR

APPLICATION NUMBER: 60/101743 FILING DATE: 1998-09-24 APPLICATION NUMBER: 60/101915

FILING DATE: 1998-09-24

PRIOR PRIOR

DR APPLICATION NUMBER: 60/101474

DR FILING DATE: 1998-09-23

PR FILING DATE: 1998-09-23

PR FILING DATE: 1998-09-23

PR APPLICATION NUMBER: 60/101476

PR FILING DATE: 1998-09-23

PR APPLICATION NUMBER: 60/101477

PR FILING DATE: 1998-09-23

PR APPLICATION NUMBER: 60/101479

PR FILING DATE: 1998-09-23

PR APPLICATION NUMBER: 60/101738

PR APPLICATION NUMBER: 60/101738

PR APPLICATION NUMBER: 60/101741

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R APPLICATION NUMBER: 6 R FILING DATE: 1998-09-R APPLICATION NUMBER: 6 R FILING DATE: 1998-09-

1998-09-

1998-09-23

60/101472

FILING DATE: 1998-09-22

NUMBER: 60/101471 NUMBER: 60/101279

FILING DATE:
APPLICATION 1

1998-09-

PRIOR PRIOR PRIOR PRIOR PRIOR

APPLICATION NUMBER: 60/101068 FILING DATE: 1998-09-18 APPLICATION NUMBER: 60/101071

60/101068

APPLICATION NUMBER: 60/100930 FILING DATE: 1998-09-17 APPLICATION NUMBER: 60/101014

FILING DATE:

NUMBER:

60/100919

1998-09-

1998-09-

FILING DATE: 1998-09-18

FILING DATE: APPLICATION

NUMBER: 60/100849

DATE:

1998-09

NUMBER:

60/100848

CURRENT APPLICATION NUMBER: US/10/017,253A

2001-12-13

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; OTHER INFORMATION: Synthetic oligonucleotide probe US-10-017-253A-293
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PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098723
PRIOR PILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098749
PRIOR FILING DATE: 1998-09-01
PRIOR FILING DATE: 1998-09-01
PRIOR FILING DATE: 1998-09-01
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Best Local Similarity
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             APPLICANT: Fact, Nicholas F.
APPLICANT: Pacht, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2830P1662
CURRENT APPLICATION NUMBER: US/10/017,253A
CURRENT FILING DATE: 2001-12-13
PRIOR APPLICATION NUMBER: 60/098716
PRIOR APPLICATION NUMBER: 60/098716
PRIOR APPLICATION NUMBER: 60/098723
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098749
PRIOR APPLICATION NUMBER: 60/098749
PRIOR FILING DATE: 1998-09-01
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PRIOR FILING DATE: 1998-09-09
Remaining Prior Application data removed -
NUMBER OF SEQ ID NOS: 477
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FILING DATE: 1998-09-09
APPLICATION NUMBER: 60/099596
FILING DATE: 1998-09-09
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FILING DATE: 1998-09-02
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cao, Wei-Qiang
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Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
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Desnoyers, Luc
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NUMBER: 60/098750
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2830P1C58
CCURRENT APPLICATION NUMBER: US/10/015,392A
CCURRENT FILING DATE: 2001-12-12.
PRIOR APPLICATION NUMBER: 60/098716
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION UMMBER: 60/098723
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098749
PRIOR FILING DATE: 1998-09-01
PRIOR PILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098750
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098803
PRIOR APPLICATION NUMBER: 60/098803
PRIOR PILING DATE: 1998-09-02
PRIOR APPLICATION NUMBER: 60/09881
PRIOR APPLICATION NUMBER: 60/0988750
PRIOR PILING DATE: 1998-09-02
PRIOR PILING DATE: 1998-09-02
PRIOR PILING DATE: 1998-09-02
PRIOR PILING DATE: 1998-09-02
PRIOR PILING DATE: 1998-09-09
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PRIOR APPLICATION NUMBER: 60/099536

PRIOR FILING DATE: 1998-09-09

PRIOR APPLICATION NUMBER: 60/099596

PRIOR FILING DATE: 1998-09-09

PRIOR APPLICATION NUMBER: 60/099596

PRIOR APPLICATION NUMBER: 60/099598

PRIOR FILING DATE: 1998-09-09

PRIOR FILING DATE: 1998-09-09

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 477

SEQ ID NO 294

LENGTH: 24
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Best Local Similarity
Matches 24; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
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PRIOR APPLICATION NUMBER: 60/098821
PRIOR FILING DATE: 1998-09-02
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PRIOR APPLICATION NUMBER: 60/098843
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1463 GGAAGTGTCATGGGTGTCTGTGGG 1486
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Gao, Wei-Qiang
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Godowski, Paul J.
Grimaldi, Christopher J.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gurney, Austin L.
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Eaton, Dan 1.
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100.0%; Pred. No.
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                                                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/10/015,392A
CURRENT FILING DATE: 2001-12-12
PRIOR APPLICATION NUMBER: 60/098716
PRIOR FILING DATE: 1998-09-01
PRIOR FILING DATE: 1998-09-01
PRIOR PILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098749
PRIOR APPLICATION NUMBER: 60/098750
PRIOR PILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098750
PRIOR PILING DATE: 1998-09-01
PRIOR PILING DATE: 1998-09-01
PRIOR PILING DATE: 1998-09-02
PRIOR PILING DATE: 1998-09-02
PRIOR APPLICATION NUMBER: 60/098821
PRIOR APPLICATION NUMBER: 60/098843
PRIOR PILING DATE: 1998-09-02
PRIOR PILING DATE: 1998-09-02
PRIOR PILING DATE: 1998-09-02
PRIOR PILING DATE: 1998-09-02
PRIOR APPLICATION NUMBER: 60/09883
PRIOR PILING DATE: 1998-09-02
PRIOR APPLICATION NUMBER: 60/09883
PRIOR APPLICATION NUMBER: 60/09883
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PRIOR FILING DATE: 1998-09-09
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 293
LENGTH: 24
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                                                                                     PRIOR APPLICATION NUMBER: 60/099598
PRIOR FILING DATE: 1998-09-09
Remaining Prior Application data removed -
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 294
LENGTH: 24
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APPLICANT:
APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
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PRIOR APPLICATION NUMBER: 60/099596
PRIOR FILING DATE: 1998-09-09
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
                TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic oligonucleotide probe
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Gao, Wei-Qiang
Goddard, Audrey
Godowski, Paul J.
Grimaldi, Christopher J.
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100.0%; Pred. No. 82.
ive 0; Mismatches
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82;
                                                                                                                                                             See File Wrapper or PALM.
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; OTHER INFORMATION: Synthetic oligonucleotide probe US-10-017-306A-293
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                                                                                                                                                                                                                                                                                RESULT 74
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NUMBER OF SEQ ID NOS: 477
SEQ ID NO 293
LENGTH: 24
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                       Matches
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                                                                                                                                                                                                                    GENERAL
                                                                                                                                                                                                                                  Sequence 294, Application US/10017306A Publication No. US20030170718A1
                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and TITLE OF INVENTION: Acids Encoding the Same FILE REPERENCE: PESSOPIC66
CURRENT APPLICATION NUMBER: US/10/017,306A
CURRENT FILING DATE: 2002-06-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
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 APPLICANT
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                                                                                                                                                                                                                  INFORMATION:
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Grimaldi, Christopher J.
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Gao, Wei-Qiang
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Desnoyers, Luc
                                                                                                Fong, o....
Gao, Wei-Qiang
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                                                             Goddard, Audrey
Godowski, Paul J.
Grimaldi, Christopher
                                                                                                                                                                    Desnoyers, Luc
Paoni, Nicholas F
                                 Gurney, Austin L.
Hillan, Kenneth J.
                                                                                                                                       Ferrara, Napoleone
                                                                                                                                                        Eaton, Dan L
                                                                                                                                                                                       Botstein, David
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                                                                                                                                                                                                      Kevin P.
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100.0%; Pred. No. 82
ative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                     100.0%;
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82,
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RESULT 75
US-10-017-867A-293
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US-10-017-306A-294
                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: 60/098723
PRIOR FILING DATE: 1998-09-01
PRIOR PPLICATION NUMBER: 60/098749
PRIOR APPLICATION NUMBER: 60/098750
PRIOR FILING DATE: 1998-09-01
PRIOR PRIOR PARTICATION NUMBER: 60/098803
PRIOR APPLICATION NUMBER: 60/098819
PRIOR APPLICATION NUMBER: 60/098821
PRIOR APPLICATION NUMBER: 60/098821
PRIOR APPLICATION NUMBER: 60/098819
PRIOR APPLICATION NUMBER: 60/098819
PRIOR APPLICATION NUMBER: 60/098819
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
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CURRENT FILING DATE: 2001-12-13
PRIOR APPLICATION NUMBER: 60/098716
PRIOR PILING DATE: 1998-09-01
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                                                R FILING DATE: 1998-09-09
R APPLICATION NUMBER: 60/099596
DR FILING DATE: 1998-09-09
PR APPLICATION NUMBER: 60/099598
DR APPLICATION NUMBER: 60/099598
DR FILING DATE: 1998-09-09
DR APPLICATION NUMBER: 60/099602
DR APPLICATION NUMBER: 60/099602
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APPLICATION NUMBER: 60/099536
         APPLICATION NUMBER: 60/099642 FILING DATE: 1998-09-09
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Hillan, Kenneth J.
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Grimaldi, Christopher
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o. US20030180792A1
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OR APPLICATION NUMBER: 60/101475
OR FILING DATE: 1998-09-23
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OR FILING DATE: 1998-09-22
OR APPLICATION NUMBER: 60/101471
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APPLICATION NUMBER: 60/101014
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APPLICATION NUMBER: 60/100711
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APPLICATION NUMBER: 60/100684
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APPLICATION NUMBER: 60/100710
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FILING DATE: 1998-09-16
APPLICATION NUMBER: 60/100627
FILING DATE: 1998-09-16
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FILING DATE: 1998-09-16
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FILING DATE: 1998-09-16
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APPLICATION UNMBER: 60/102965
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APPLICATION NUMBER: 60/103258
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APPLICATION NUMBER: 60/102331
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APPLICATION NUMBER: 6
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APPLICATION NUMBER: 60/103449
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RESULT 76
US-10-017-867A-294/c
; Sequence 294, Application US/10017867A
; Sequence No. US20030180792A1
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CURRENT FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098716
PRIOR FILING DATE: 1998-09-01
PRIOR PILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098723
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098749
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098803
PRIOR PILING DATE: 1998-09-02
PRIOR PILING DATE: 1998-09-02
PRIOR PILING DATE: 1998-09-02
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PRIOR APPLICATION NUMBER: 60/098821
PRIOR PILING DATE: 1998-09-02
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TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
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OR APPLICATION NUMBER: 60/105881
OR FILING DATE: 1998-10-27
OR APPLICATION NUMBER: 60/105882
OR FILING DATE: 1998-10-27
OR APPLICATION NUMBER: 60/106023
OR FILING DATE: 1998-10-28
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Gao, Wei-Qiang
Goddard, Audrey
Goddwski, Paul J.
Grimaldi, Christopher :
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Eaton, Dan 1.
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                                        NUMBER: 60/099763
                                                                                 NUMBER: 60/0: 1998-09-10
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OR FILING DATE: 1998-09-10
OR APPLICATION NUMBER: 60/100385
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OR APPLICATION NUMBER: 60/100380
OR APPLICATION NUMBER: 60/100380
OR FILING DATE: 1998-09-15
OR APPLICATION NUMBER: 60/100390
OR FILING DATE: 1998-09-15
OR APPLICATION NUMBER: 60/100584
OR FILING DATE: 1998-09-16
OR APPLICATION NUMBER: 60/100587
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DR FILING DATE: 1998-09-16

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PREPRICATION NUMBER: 60/100683

PRETING DATE: 1998-09-17

RAPPLICATION NUMBER: 60/100684

PRETING DATE: 1998-09-17

PREPRICATION NUMBER: 60/100710

PRETING DATE: 1998-09-17

PREPRICATION NUMBER: 60/100711

PRETING DATE: 1998-09-17

PREPRICATION NUMBER: 60/100848

PREPRICATION NUMBER: 60/100848

PREPRICATION NUMBER: 60/100849

PRETING DATE: 1998-09-18

PREPRICATION NUMBER: 60/100919

PRETING DATE: 1998-09-17

PREPRICATION NUMBER: 60/101014

PRETING DATE: 1998-09-17

PREPRICATION NUMBER: 60/101017

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PRIOR FILING DATE: 1998-09-01
PRIOR PPLICATION NUMBER: 60/098723
PRIOR PILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098749
PRIOR PILING DATE: 1998-09-01
PRIOR PILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098750
PRIOR FILING DATE: 1998-09-01
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Best Local S
Matches 24
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NUMBER OF SEQ ID NOS: 477
SEQ ID NO 293
LENGTH: 24
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Best Local Similarity
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CURRENT APPLICATION NUMBER: US/10/012,064A
CURRENT FILING DATE: 2002-07-15
CURRENT FILING DATE: 2002-07-15
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                                                                                                                                                       OTHER INFORMATION: Synthetic oligonucleotide probe
                                                                                                                                                                                                                TYPE: DNA
                                                                                                                                                                             FEATURE:
                                                                                                                                                                                            ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 1998-09-02
APPLICATION NUMBER: 60/098843
FILING DATE: 1998-09-02
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FILING DATE: 1998-09-02
APPLICATION NUMBER: 60/098821
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                         1041 GCTGACCTGGTTCCCATCTACTCC 1064
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Grimaldi, Christopher J.
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Gao, Wei-Qiang
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APPLICANT: Baker, K

APPLICANT:

Botstein, David

Kevin P

APPLICANT:

Desnoyers, Luc Eaton, Dan 1. Ferrara, Napoleone Sequence 293, A Publication No.

Application US/10013909A ). US20030186318A1

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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2830P1C19
CCURRENT APPLICATION NUMBER: US/10/012,064A
CURRENT FILING DATE: 2002-07-15
PRIOR APPLICATION NUMBER: 60/098716
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098723
PRIOR APPLICATION NUMBER: 60/098723
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098749
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098750
PRIOR FILING DATE: 1998-09-02
PRIOR FILING DATE: 1998-09-01
RESULT 79
US-10-013-909A-293
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NUMBER OF SEQ ID NOS: 477
SEQ ID NO 294
LENGTH: 24
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PRIOR TILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: 60/099598
PRIOR FILING DATE: 1998-09-09
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PRIOR APPLICATION NUMBER: 60/099536
PRIOR FILING DATE: 1998-09-09
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Grimaldi, Christopher J.
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100.0%; Pred. No.
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                                                                                                                        ; OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-013-909A-294
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; OTHER INFORMATION: Synthetic oligonucleotide
US-10-013-909A-293
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CURRENT FILING DATE: 2002-06-25
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 293
LENGTH: 24
                                                           Query Match
Best Local Similarity
                                                                                                                                                                                                           SEQ ID NO 294
LENGTH: 24
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                                                      Matches
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Best Local Similarity
                                                                                                                                                                                                                                                                                                            APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C35
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                                                                                                                                                                                                                                           Prior Application removed - See File Wrapper or NUMBER OF SEQ ID NOS: 477
                                                                                                                                                                                                                                                                              CURRENT APPLICATION NUMBER: US/10/013,909A CURRENT FILING DATE: 2002-06-25
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                                                                                                                                                     TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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1463 GGAAGTGTCATGGGTGTCTGTGGG 1486
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Hillan, Kenneth J.
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Godowski, Paul J.
Grimaldi, Christopher J.
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Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
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                                                  1.0%; Score 24; DB 1; Length 24; llarity 100.0%; Pred. No. 82; Conservative 0; Mismatches 0; Indels
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same; FILE REFERENCE: P2830P1C47; CURRENT APPLICATION NUMBER: US/10/015,671A; CURRENT FILING DATE: 2001-12-11; Prior application removed - See File Wrapper or Palm; NUMBER OF SEQ ID NOS: 477
SEQ ID NO 293
LENGTH: 24
TYPE: Num
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APPLICANT: Botste
APPLICANT: Desnoy
APPLICANT: Eaton,
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SEQ ID NO 294
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          APPLICANT: Paoni, Nicholas'F.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P283091047

CURRENT APPLICATION NUMBER: US/10/015,671A

CURRENT FILING DATE: 2001-12-11

Prior application removed - See File Wrapper or Palm

NUMBER OF SEQ ID NOS: 477
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Hillan, Kenneth J.
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Grimaldi, Christopher J.
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Eaton, Dan 1.
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Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
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5. US20030186319A1
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; TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-015-671A-294
                                                                                  ; FEATURE:
; OTHER INFORMATION:
US-10-015-610A-293
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PRIOR APPLICATION NUMBER: 60/098716
PRIOR PILING DATE: 1998-09-01
PRIOR PELICATION NUMBER: 60/098723
PRIOR PILING DATE: 1998-09-01
PRIOR PELICATION NUMBER: 60/09873
PRIOR PILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/09879
PRIOR FILING DATE: 1998-09-01
PRIOR PILING DATE: 1998-09-01
PRIOR PILING DATE: 1998-09-01
PRIOR PILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098803
PRIOR PILING DATE: 1998-09-02
PRIOR APPLICATION NUMBER: 60/09881
PRIOR APPLICATION NUMBER: 60/09883
PRIOR PILING DATE: 1998-09-02
PRIOR APPLICATION NUMBER: 60/098843
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Query Match
Best Local Similarity
Matches 24; Conserv
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LENGTH: 24
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Publication No. US2003018676181
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Best Local
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Remaining Prior Application data removed
NUMBER OF SEQ ID NOS: 477
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2830P1C52
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Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
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1.0%; Score 24; DB ilarity 100.0%; Pred. No. 82 Conservative 0; Mismatches
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Pred. No.
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                   DB 1;
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                                       Length 24;
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APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nuc.
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C52
CURRENT APPLICATION NUMBER: US/10/015,610A
CURRENT FILING DATE: 2001-12-12
PRIOR APPLICATION NUMBER: 60/098716
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098723
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098749
PRIOR APPLICATION NUMBER: 60/098749
PRIOR PILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098750
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098750
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098750
PRIOR APPLICATION NUMBER: 60/098750
PRIOR PILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098750
PRIOR PILING DATE: 1998-09-07
PRIOR PILING DATE: 1998-09-07
PRIOR PILING DATE: 1998-09-07
PRIOR PILING DATE: 1998-09-07
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                                                                                                                                                                                 ; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-015-610A-294
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US-10-015-610A-294/c
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                                                                                                                                                                                                                                                                                         Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 294
LENGTH: 24
                                                                       Query Match
Best Local Similarity 100.0%; P
Matches 24; Conservative 0;
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APPLICANT: Baker, K
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PRIOR
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PRIOR FILING DATE: 1998-09-02
PRIOR APPLICATION NUMBER: 60/098843
PRIOR FILING DATE: 1998-09-02
PRIOR APPLICATION NUMBER: 60/099536
                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: 60/099598
PRIOR FILING DATE: 1998-09-09
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                                                                                                                                                                                                                                                                              TYPE: DNA
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APPLICATION NUMBER: 60/099596
FILING DATE: 1998-09-09
                            1463 GGAAGTGTCATGGGTGTCTGTGGG 1486
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  GGAAGTGTCATGGGTGTCTGTGGG
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Gao, Wei-Qiang
Goddard, Audrey
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Grimaldi, Christopher J.
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Eaton, Dan 1.
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o. US20030186361A1
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                                                                                                                 1.0%; Score 24; DB 1; Length 24; L00.0%; Pred. No. 82;
                                                                                          Mismatches
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RESULT 85
US-10-012-137A-293
; Sequence 293, Application US/10012137A
; Publication No. US20030187189A1

SENERAL INFORMATION:

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Best Local S
Matches 24
                                                                          Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 294
LENGTH: 24
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NUMBER OF SEQ ID NOS: 477
SEQ ID NO 293
LENGTH: 24
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2830P1C29
CURRENT APPLICATION NUMBER: US/10/012,137A
CURRENT FILING DATE: 2002-06-25
                                                                                                                                                 CURRENT APPLICATION NUMBER: US/10/012,137A CURRENT FILING DATE: 2002-06-25
                                                                                                                                                                                                     APPLICANT: Pacni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
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                                                                                                                                                                                           FILE REFERENCE: P2830P1C29
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                        TYPB: DNA ORGANISM: Artificial Sequence
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OTHER INFORMATION: Synthetic oligonucleotide probe
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OTHER INFORMATION: Synthetic oligonucleotide probe
                    FEATURE:
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Gao, Wei-Qiang
Goddard, Audrey
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Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
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Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
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Eaton, Dan 1.
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Botstein, David
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100.0%; Pred. No. 82;
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CURRENT FILING DATE: 2002-06-25
Prior application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 293
LENGTH: 24
TYPE: DNA
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Best Local Similarity
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                                                                                                                                                                                                                                                       GENERAL INFORMATION:
                                                                                                                                                                                                                                                                      Sequence 294, A Publication No.
                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
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                                                                                                                                                                                                                                      APPLICANT: Baker,
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                                                                                   APPLICANT
                                      PPLICANT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRICANT: Paoni, Nicholas F.
ITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic ITLE OF INVENTION: Acids Encoding the Same
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                                              Fong, Sherman, Gao, Wei-Qiang Gao, Wei-Qiang Goddard, Audrey Godowski, Paul J. Grimaldi, Christopher J. F: Gurney, Austin L. Hillan, Kenneth J.
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Paoni, Nicholas F.
INVENTION: Secreted and Transmembrane Polypeptides
INVENTION: Acids Encoding the Same
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Botstein, David
Desnoyers, Luc
Eaton, Dan 1.
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Desnoyers, Luc
Eaton, Dan 1.
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Godowski; Paul J.
Grimaldi, Christopher J.
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Hillan, Kenneth J.
                                                                                                                                                                         Ferrara, Napoleone
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b. US20030187190A1
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100.0%; Pred. No.
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100.0%; Pred. No.
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                       and Nucleic
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FILE REFERENCE: P2830P1C24

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US-10-012-754A-294/c
Sequence 294, Application US/10012754A
Publication No. US20030187191A1
GENERAL INFORMATION:
                                                                                                               RESULT 90
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                                                                                                                                                                                                                                                                                                 ; FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide probe US-10-012-754A-293
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US-10-012-752A-294
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Best Local Similarity 100.0%;
Matches 24; Conservative
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SEQ ID NO 293
LENGTH: 24
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LENGTH: 24
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Best Local Similarity
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APPLICANT:
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APPLICANT:
APPLICANT:
             APPLICANT: Baker, Kevin P. APPLICANT: Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION NUMBER: US/10/012,754A
CURRENT FILING DATE: 2002-06-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830F1C18
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NUMBER OF SEQ ID NOS: 477
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ORGANISM: Artificial Sequence
FEATURE:
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Desnoyers, Luc
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Grimaldi, Christopher
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o. US20030187191A1
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Pred. No.
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                                                                     ; OTHER INFORMATION: Synthetic oligonucleotide probe 
US-10-013-910A-293
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US-10-013-910A-293
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NUMBER OF SEQ ID NOS: 477
SEQ ID NO 293
LENGTH: 24
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NUMBER OF SEQ ID NOS: 477
SEQ ID NO 294
LENGTH: 24
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              Query Match
Best Local Similarity
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APPLICANT:
APPLICANT:
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APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C33
CURRENT APPLICATION NUMBER: US/10/013,910A
CURRENT FILING DATE: 2002-06-25
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CURRENT APPLICATION NUMBER: US/10/012,754A
CURRENT FILING DATE: 2002-06-25
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and
TITLE OF INVENTION: Acids Encoding the Same
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                                                                                                                TYPE: DNA
ORGANISM: Artificial Sequence
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                                                                                                       FEATURE:
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Gao, Wei-Qiang
Goddard, Audrey
Goddwski, Paul J.
Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
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Desnoyers, Luc
Eaton, Dan 1.
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Hillan, Kenneth J.
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Grimaldi, Christopher J.
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ilarity 100.0%; I Conservative 0;
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L00.0%; Pred. No.
1.0%; Score 24; DB
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.ve 0; Mismatches
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, OTHER INFORMATION: Synthetic oligonucleotide
US-10-013-910A-294
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US-10-013-910A-294/c
; Sequence 294, Application US/10013910A
; Publication No. US20030187192A1
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Best Local Similarity
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LENGTH: 24
                             APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C39
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CURRENT FILING DATE: 2002-06-25
CURRENT APPLICATION NUMBER: US/10/013,911A CURRENT FILING DATE: 2001-12-10
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ORGANISM: Artificial Sequence
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Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
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Grimaldi, Christopher J.
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Hillan, Kenneth J.
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Fong, Sherman
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Pred. No. 82;
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APPLICATION NUMBER:
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OR APPLICATION NUMBER: 60/100711
OR FILING DATE: 1998-09-17
OR APPLICATION NUMBER: 60/100848
OR APPLICATION NUMBER: 60/100849
OR FILING DATE: 1998-09-18
OR APPLICATION NUMBER: 60/100919
OR FILING DATE: 1998-09-17
OR APPLICATION NUMBER: 60/100930
OR FILING DATE: 1998-09-17
OR APPLICATION NUMBER: 60/100930
OR FILING DATE: 1998-09-17
OR APPLICATION NUMBER: 60/101014 FILING DATE: 1998-09-17 APPLICATION NUMBER: 60/100684 FILING DATE: 1998-09-17 FILING DATE: 1998-09-16
APPLICATION NUMBER: 60/100664
FILING DATE: 1998-09-16
APPLICATION NUMBER: 60/100683 FILING DATE: 1998-09-16
APPLICATION NUMBER: 60/100627
FILING DATE: 1998-09-16 FILING DATE: 1998-09-10 APPLICATION NUMBER: 60/099754 FILING DATE: 1998-09-10 APPLICATION NUMBER: 60/100710 FILING DATE: 1998-09-16 APPLICATION NUMBER: 60/100662 APPLICATION NUMBER: 60/099815 FILING DATE: 1998-09-10 APPLICATION NUMBER: 60/099808 FILING DATE: 1998-09-10 APPLICATION NUMBER: 60/099536 FILING DATE: 1998-09-09 APPLICATION NUMBER: 60/100661 APPLICATION NUMBER: 60/100584 APPLICATION NUMBER: 60/100390 APPLICATION NUMBER: 60/100388 APPLICATION NUMBER: 60/100385 APPLICATION NUMBER: 60/099816 APPLICATION NUMBER: 60/099812 FILING DATE: 1998-09-10 APPLICATION NUMBER: 60/099792 APPLICATION NUMBER: 60/099763 APPLICATION NUMBER: 60/099741 APPLICATION NUMBER: 60/099642 APPLICATION NUMBER: 60/099602 APPLICATION NUMBER: 60/099598 APPLICATION NUMBER: 60/099596 APPLICATION NUMBER: 60/098843 APPLICATION NUMBER: 60/098821 APPLICATION NUMBER: 60/098803 APPLICATION NUMBER: 60/098723 APPLICATION NUMBER: 60/098750 60/098749

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APPLICATION NUMBER: 60/101916
FILING DATE: 1998-09-24
APPLICATION NUMBER: 60/102207
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FILING DATE: 1998-09-22
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FILING DATE: 1998-09-30
APPLICATION NUMBER: 60/102570
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APPLICATION NUMBER: 60/102331
FILING DATE: 1998-09-29
APPLICATION NUMBER: 60/102484
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APPLICATION NUMBER: 60/101738
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APPLICATION NUMBER:
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APPLICATION NUMBER: 60/101476
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APPLICATION NUMBER: 60/102684
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APPLICATION NUMBER: 60/102307
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    60/103678
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; Publication No. US200;
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rourral INFORMATION:
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US-10-013-911A-294/c
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APPLICANT: Pach, Owned Transmembran TITLE OF INVENTION: Secreted and Transmembran ITILE OF INVENTION: Secreted and Transmembran ITILE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2830P1C39

CURRENT APPLICATION NUMBER: US/10/013,911A

CURRENT FILING DATE: 2001-12-10

PRIOR APPLICATION NUMBER: 60/098716

PRIOR FILING DATE: 1998-09-01

PRIOR APPLICATION NUMBER: 60/098723

PRIOR APPLICATION NUMBER: 60/09873

PRIOR APPLICATION NUMBER: 60/098750

PRIOR FILING DATE: 1998-09-01
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APPLICANT:
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OR APPLICATION NUMBER: 60/103679
OR APPLICATION NUMBER: 60/103711
OR FILING DATE: 1998-10-08
OR APPLICATION NUMBER: 60/104257
OR FILING DATE: 1998-10-14
OR APPLICATION NUMBER: 60/104987
OR APPLICATION NUMBER: 60/105000
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OR APPLICATION NUMBER: 60/105000
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OR APPLICATION NUMBER: 60/105104
OR APPLICATION NUMBER: 60/105104
OR FILING DATE: 1998-10-21
OR APPLICATION NUMBER: 60/105169
OR APPLICATION NUMBER: 60/105693
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OR APPLICATION NUMBER: 60/105891
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Godowski, Paul J.
Grimaldi, Christopher
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Hillan, Kenneth J.
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Eaton, Dan 1.
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Botstein, David
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NUMBER: 60/098803 : 1998-09-02 ! NUMBER: 60/098821 : 1998-09-02

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REPLICATION NUMBER: 60/098643
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APPLICATION NUMBER: 60/105002 APPLICATION NUMBER: 60/105000

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                                                                     CURRENT APPLICATION NUMBER: US/10/013,912A
CURRENT FILING DATE: 2001-12-10
PRIOR APPLICATION NUMBER: 60/098716
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098723
PRIOR APPLICATION NUMBER: 60/098723
PRIOR FILING DATE: 1998-09-01
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098749
PRIOR APPLICATION NUMBER: 60/098750
PRIOR APPLICATION NUMBER: 60/09803
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098803
PRIOR FILING DATE: 1998-09-02
PRIOR APPLICATION NUMBER: 60/098821
PRIOR APPLICATION NUMBER: 60/098821
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Best Local
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APPLICANT:
APPLICANT:
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C32
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FILING DATE: 1998-10-27
APPLICATION NUMBER: 60/105881
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APPLICATION NUMBER: 60/105694
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                                    APPLICATION NUMBER: 60/098843
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Gao, Wei-Qiang
Goddard, Audrey
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Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
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Botstein, David
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60/099536
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APPLICANT: Paoni, Nicholas F.
APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C32
CURRENT APPLICATION NUMBER: US/10/013,912A
CURRENT FILING DATE: 2001-12-10
PRIOR APPLICATION NUMBER: 60/08716
PRIOR APPLICATION NUMBER: 60/08723
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098749
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098750
PRIOR APPLICATION NUMBER: 60/098750
PRIOR APPLICATION NUMBER: 60/098750
PRIOR APPLICATION NUMBER: 60/098750
PRIOR APPLICATION NUMBER: 60/098831
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098831
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098831
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PRIOR APPLICATION NUMBER: 60/099596
PRIOR APPLICATION NUMBER: 60/099598
PRIOR APPLICATION NUMBER: 60/099598
PRIOR APPLICATION NUMBER: 60/099598
PRIOR FILING DATE: 1998-09-09
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 293
LENGTH: 24
TYPE: DNA
ORGANISM: Artificial Sequence
PRIOR FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: 60/099598
PRIOR FILING DATE: 1998-09-09
Remaining Prior Application data removed -
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 294
LENGTH: 24
TYPE: DNA
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Publication No. US20030187194A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
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Best Local Similarity
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                                                                                                                                                                                                OR APPLICATION NUMBER: 60/098821
OR FILING DATE: 1998-09-02
OR APPLICATION NUMBER: 60/098843
OR FILING DATE: 1998-09-02
OR APPLICATION NUMBER: 60/099536
OR APPLICATION NUMBER: 60/099596
OR APPLICATION NUMBER: 60/099596
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Godowski, Paul J.
Grimaldi, Christopher J.
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Hillan, Kenneth J.
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Gao, Wei-Qiang
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100.0%; Pred. No.
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. 82;
                                                                                                       See File Wrapper or PALM
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RESULT 98
US-10-015-653A-294/c
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; ORANISM: Artificial Sequence
; PEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-015-653A-293
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US-10-013-912A-294
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APPLICANT: Baker, Kevin P.
                                                                                                                                                                                             Sequence 294, Application US/10015653A
Publication No. US20030187195A1
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NUMBER OF SEQ ID NOS: 477
SEQ ID NO 293
LENGTH: 24
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Publication No. US20030187195A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILE REFERENCE: P2830P1C43
CURRENT APPLICATION NUMBER: US/10/015,653A
CURRENT FLING DATE: 2002-06-25
Prior Application removed - See File Wrapper or Palm
                                                                                         APPLICANT:
                                                                        APPLICANT:
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same
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                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity 100.0%;
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Local Similarity 100.0%; Pred. No.
1es 24; Conservative 0; Mismar-
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                                 Fong, Sherman
Gao, Wei-Qiang
Goddard, Audrey
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Grimaldi, Christopher
Gurney, Austin L.
Hillan, Kenneth J.
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Gao, Wei-Qiang
Godowski, Paul J.
Grimaldi, Christopher J.
                                                                                       Ferrara, Napoleone
                                                                                                            Eaton, Dan 1.
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                                                                                                                                             Botstein, David
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                                                                                                                                                                                                                                                                                                                                                                              0; Mismatches
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Query Match
Best Local Similarity
Tatches 24; Conserve
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                                                                                                                                  ; OTHER INFORMATION: Synthetic oligonucleotide probe US-10-012-101B-293
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US-10-015-653A-294
                                                                                                                                                                               APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2830PIC6
CURRENT APPLICATION NUMBER: US/10/012,101B
CURRENT PILING DATE: 2001-12-06
Prior application removed - See file Wrapper or Palm NUMBER OF SEQ ID NOS: 477
SEQ ID NO 293
LENGTH: 24
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CURRENT FILING DATE: 2002-06-25

Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 477

SEQ ID NO 294
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 293, A Publication No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
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Best Local S
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APPLICANT:
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APPLICANT:
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APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C43
                                                                                                                                                               TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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                   1041 GCTGACCTGGTTCCCATCTACTCC 1064
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Similarity 100.0%; Pred. No. 82;
24; Conservative 0; Mismatches
GCTGACCTGGTTCCCATCTACTCC 24
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Hillan, Kenneth J.
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Eaton, Dan 1
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Fong, Sherman
Gao, Wei-Qiang
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rimaldi, Christopher J.
                                                                  Conservative
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                                                                             1.0%;
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                                                                                 Score 24;
Pred. No.
                                                                  Mismatches
                                                                                   DB 1;
82;
                                                                 0,
                                                                                                   Length 24;
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RESULT 100 US-10-012-101B-294/c ; Sequence 294, Application US/10012101B

Publication No. US20030187239A1

Kevin P.

APPLICANT: APPLICANT: APPLICANT:

> Desnoyers, Luc Eaton, Dan 1. Botstein, David

Ferrara, Napoleone

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; FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-015-480A-293
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Best Local Similarity
Matches 24; Conserv
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NUMBER OF SEQ ID NOS: 477
SEQ ID NO 294
LENGTH: 24
                                                                                                SEQ ID NO 293
LENGTH: 24
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 293, Application US/10015480A Publication No. US20030190667A1
                                                                                                                               APPLICANT: Paon'i Nicholas F.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2830PLC50
CURRENT APPLICATION NUMBER: US/10/015,480A
CURRENT FILING DATE: 2002-06-25
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2830P1C6
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ORGANISM: Artificial Sequence
                                                          ORGANISM: Artificial Sequence
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Cao, Wei-Qiang
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Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
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cao, Wei-Qiang
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Hillan, Kenneth J.
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Grimaldi, Christopher
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RESULT 102
US-10-015-480A-294/c
Sequence 294, Application US/10015480A
US20030190667A1
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SEQ ID NO 294
LENGTH: 24
TYPE: DNA
ORGANISM: Artificial Sequence
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Best Local Similarity
Matches 24; Conserv
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publication No. US20030190668A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Dennoyers, Luc
APPLICANT: Dennoyers, Luc
APPLICANT: Eaton, Dan 1.
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Best Local &
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CURRENT APPLICATION NUMBER: US/10/015,480A
CURRENT FILING DATE: 2002-06-25
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
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INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
                                             Fong, Sherman
Gao, Wei-Qiang
Goddard, Audrey
Godowski, Paul J.
Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
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Gao, Wei-Qlang
Goddard, Audrey
Godowski, Paul J.
Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
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Desnoyers, Luc
Eaton, Dan 1.
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                  Paoni, Nicholas F.
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100.0%; Pred. No. 82
tive 0; Mismatches
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100.0%; Pred. No. 82;
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RESULT 105
US-10-012-237A-293
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                                                                                                                                                                                                                                                                                          ; OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-015-715A-294
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CURRENT FILING DATE: 2002-06-25
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 294
LENGTH: 24
                            Sequence 293, Application US/10012237A Publication No. US20030191281A1 GENERAL INFORMATION:
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Best Local Similarity
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Best Local Similarity
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LENGTH: 24
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C56
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APPLICANT:
APPLICANT:
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CURRENT FILING DATE: 2002-06-25
Prior Application removed - See File Wra
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APPLICANT: Botstein, David
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 APPLICANT: Baker,
APPLICANT: Botst
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ORGANISM: Artificial Sequence
FEATURE:
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Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
Botstein, David
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Fong, Sherman
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Eaton, Dan 1.
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100.0%; Pred. No. 82;
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US-10-012-237A-294/c
                                                                    ; OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-012-237A-294
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; Publication No. US200
; GENERAL INFORMATION;
; APPLICANT: Baker, Ke
; APPLICANT: Botstein
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US-10-012-237A-293
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LENGTH: 24
TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                  Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 294
LENGTH: 24
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Best Local Similarity 100.0%; P
Ouery Match 1.0%; Score 24; DB Best Local Similarity 100.0%; Pred. No. 82.
Matches 24; Conservative 0; Mismatches
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CURRENT APPLICATION NUMBER: US/10/012,237A
CURRENT FILING DATE: 2002-06-10
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
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                                                                                                    ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                    TYPE: DNA
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Godowski, Paul J
Grimaldi, Christopher J.
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Hillan, Kenneth J.
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Cao, Wei-Qiang
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Grimaldi, Christopher
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Hillan, Kenneth J.
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Eaton, Dan 1.
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5. US20030191281A1
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100.0%; Pred. No. 82
1ve 0; Mismatches
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              DB 1; Length 24; 82;
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RESULT 107
US-10-013-906A-293
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                                                   CURRENT PILLING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 00/098716
PRIOR PILLING DATE: 1998-09-01
PRIOR PILLING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098723
PRIOR PILLING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098750
PRIOR PILLING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098803
PRIOR PILLING DATE: 1998-09-02
PRIOR APPLICATION NUMBER: 60/098821
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PRIOR APPLICATION NUMBER: 60/099596
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TITLE OF INVENTION: Secreted and Transmembrane
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
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Goddard, Audrey
Godowski, Paul J
Grimaldi, Christopher J
Gurney, Austin L.
Hillan, Kenneth J.
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Eaton, Dan 1.
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5. US20030191282A1
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ein, David
                                      NUMBER: 60/100385
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                                                                PRIOR 
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OR APPLICATION NUMBER: 60/101279
OR APPLICATION NUMBER: 60/101471
OR FILING DATE: 1998-09-23
OR APPLICATION NUMBER: 60/101472
OR FILING DATE: 1998-09-23
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OR APPLICATION NUMBER: 60/100848
OR FILING DATE: 1998-09-18
OR APPLICATION NUMBER: 60/100849
OR PILING DATE: 1998-09-18
OR APPLICATION NUMBER: 60/100919
OR FILING DATE: 1998-09-17
OR APPLICATION NUMBER: 60/100930
OR FILING DATE: 1998-09-17
OR APPLICATION NUMBER: 60/101014
OR FILING DATE: 1998-09-18
OR APPLICATION NUMBER: 60/101068
OR FILING DATE: 1998-09-18
OR APPLICATION NUMBER: 60/101071
OR APPLICATION NUMBER: 60/101071
OR FILING DATE: 1998-09-23
OR APPLICATION NUMBER: 60/10
OR PILING DATE: 1998-09-24
OR APPLICATION NUMBER: 60/10
OR FILING DATE: 1998-09-29
OR APPLICATION NUMBER: 60/10
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OR APPLICATION NUMBER: 60/100661
OR FILING DATE: 1998-09-16
OR APPLICATION NUMBER: 60/100662
OR FILING DATE: 1998-09-16
OR APPLICATION NUMBER: 60/100664
OR APPLICATION NUMBER: 60/100664
OR FILING DATE: 1998-09-16
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REAPPLICATION NUMBER: 60/10
REFILING DATE: 1998-09-15
REAPPLICATION NUMBER: 60/10
OR FILING DATE: 1998-09-16
OR APPLICATION NUMBER: 60/10
REFILING DATE: 1998-09-16
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APPLICATION NUMBER: 60/100710
FILING DATE: 1998-09-17
APPLICATION NUMBER: 60/100711
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                                                                                                                                                                                                                           NUMBER: 60/102307
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APPLICATION NUMBER: 60/102687

LING DATE: 1998-10-01

FILING DATE:

APPLICATION NUMBER: 60/102684

1998-10-01

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APPLICATION NUMBER:

60/102571 60/102570

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NUMBER: 60/102487

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APPLICATION NUMBER:
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APPLICATION NUMBER: 60/105882
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APPLICATION NUMBER: 60/105002
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FILING DATE: 1998-10-07
APPLICATION NUMBER: 60/103449
FILING DATE: 1998-10-06
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FILING DATE: 1998-10-07
                         1041 GCTGACCTGGTTCCCATCTACTCC 1064
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APPLICATION NUMBER: 60/104987
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FILING DATE: 1998-10-08
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                                                          Score 24; DB 1; Pred. No. 82; 0; Mismatches
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                                                              0;
                                                                                          Length 24;
                                                              Indels
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                                                              Gaps
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RESULT 108

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APPLICANT: Gurney, Austin I.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Pan, James
APPLICANT: Pan, James
APPLICANT: Pani, James
APPLICANT: Pani, James
APPLICANT: Pani, Jinkoholas F.
TITLE OF INVENTION: Secreted and Transmembrane Pol
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C36
CURRENT APPLICATION NUMBER: U9/10/013,906A
CURRENT APPLICATION NUMBER: 60/098716
PRIOR APPLICATION NUMBER: 60/098723
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098749
PRIOR APPLICATION NUMBER: 60/098750
PRIOR APPLICATION NUMBER: 60/098750
PRIOR APPLICATION NUMBER: 60/09803
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/09803
PRIOR FILING DATE: 1998-09-02
PRIOR APPLICATION NUMBER: 60/098821
PRIOR APPLICATION NUMBER: 60/09883
PRIOR FILING DATE: 1998-09-02
PRIOR APPLICATION NUMBER: 60/099536
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APPLICANT:
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OR FILING DATE: 1998-09-09
OR APPLICATION NUMBER: 60/099741
OR PILING DATE: 1998-09-10
OR APPLICATION NUMBER: 60/099754
OR FILING DATE: 1998-09-10
OR APPLICATION NUMBER: 60/099763
OR FILING DATE: 1998-09-10
OR APPLICATION NUMBER: 60/099808
OR FILING DATE: 1998-09-10
OR APPLICATION NUMBER: 60/099818
OR FILING DATE: 1998-09-10
OR APPLICATION NUMBER: 60/099815
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OR FILING DATE: 1998-09-16
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DR APPLICATION NUMBER: 60/099596
DR FILING DATE: 1998-09-09
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Grimaldi, Christopher
Gurney, Austin L.
Hillan, Kenneth J.
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Gao, Wei-Qiang
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Eaton, Dan 1.
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5. US20030191282A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ٩
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APPLICATION NUMBER: 60 FILING DATE: 1998-09-1 APPLICATION NUMBER: 60

NUMBER: 60/100662

60/100663

1998-09-16

PRIOR PRIOR PRIOR PRIOR

FILING DATE: APPLICATION NUMBER:

1998-09-16

60/100664

APPLICATION NUMBER: 60/100683

FILING

FILING DATE: 1998-09-17 APPLICATION NUMBER: 60/ FILING DATE: 1998-09-17

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RESULT 109
US-10-015-388A-293
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Best Local S
Matches 24
Sequence 293, Application US/10015388A
Publication No. US20030191299A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
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OR APPLICATION NUMBER: 60/10379
OR ETLING DATE: 1998-10-08
OR APPLICATION NUMBER: 60/103711
OR FILING DATE: 1998-10-14
OR APPLICATION NUMBER: 60/104257
OR FILING DATE: 1998-10-20
OR APPLICATION NUMBER: 60/105000
OR FILING DATE: 1998-10-20
OR APPLICATION NUMBER: 60/105000
OR APPLICATION NUMBER: 60/105000
OR APPLICATION NUMBER: 60/105104
OR FILING DATE: 1998-10-20
OR APPLICATION NUMBER: 60/105104
OR FILING DATE: 1998-10-21
OR APPLICATION NUMBER: 60/105266
OR FILING DATE: 1998-10-22
OR APPLICATION NUMBER: 60/105266
OR APPLICATION NUMBER: 60/105693
OR APPLICATION NUMBER: 60/105693
OR APPLICATION NUMBER: 60/105807
OR APPLICATION NUMBER: 60/105003
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OR APPLICATION NUMBER: 60/103314
OR APPLICATION NUMBER: 60/103315
OR APPLICATION NUMBER: 60/103315
OR FILING DATE: 1998-10-07
OR APPLICATION NUMBER: 60/10328
OR FILING DATE: 1998-10-07
OR APPLICATION NUMBER: 60/103395
OR FILING DATE: 1998-10-07
OR APPLICATION NUMBER: 60/103396
OR FILING DATE: 1998-10-07
OR APPLICATION NUMBER: 60/103396
OR APPLICATION NUMBER: 60/103401
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R APPLICATION NUMBER: 60/102687

DR FILING DATE: 1998-10-01

DR APPLICATION NUMBER: 60/102965

DR FILING DATE: 1998-10-02

DR APPLICATION NUMBER: 60/103258

DR APPLICATION NUMBER: 60/103258
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                                                                                                                                                                                                                                                                                                                                                                                                                      1463 GGAAGTGTCATGGGTGTCTGTGGG
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100.0%; Pr
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Pred.
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82;
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PRIOR

APPLICATION NUMBER: 60/101476
FILING DATE: 1998-09-23
APPLICATION NUMBER: 60/101477
FILING DATE: 1998-09-23

FILING DATE:

1998-09-23

FILING DATE: 1998-09-23
APPLICATION NUMBER: 60/101475

APPLICATION NUMBER: 60/101479 FILING DATE: 1998-09-23

OR APPLICATION NUMBER: 60/101279
OR FILING DATE: 1998-09-22
OR FILING DATE: 1998-09-23
OR APPLICATION NUMBER: 60/101471
OR FILING DATE: 1998-09-23
OR APPLICATION NUMBER: 60/101472
OR APPLICATION NUMBER: 60/101474

FILING DATE: 1998-09-17
APPLICATION NUMBER: 60/101014
FILING DATE: 1998-09-18

FILING DATE:
APPLICATION N FILING DATE: 1998-0: APPLICATION NUMBER:

NUMBER: 60/100930

1998-09-17 1998-09-18 1998-09-18

60/100919

APPLICATION NUMBER: 60/100849

FILING DATE:

APPLICATION NUMBER: 60/100848 FILING DATE: 1998-09-17

APPLICATION NUMBER: 60/100711

APPLICATION NUMBER: FILING DATE: 1998-0

1998-09-17

60/100710 60/100684

APPLICATION NUMBER: 60/101068 FILING DATE: 1998-09-18 APPLICATION NUMBER: 60/101071

FILING DATE: 1998-09-18

DR FILING DATE: 1998-09-24

PR APPLICATION NUMBER: 60/101915

PR FILING DATE: 1998-09-24

PR APPLICATION NUMBER: 60/101916

PR FILING DATE: 1998-09-24

PR FILING DATE: 1998-09-29

PR FILING DATE: 1998-09-29

PR APPLICATION NUMBER: 60/102240

PR FILING DATE: 1998-09-29

PR APPLICATION NUMBER: 60/102307

PR FILING DATE: 1998-09-29

PR PRICATION NUMBER: 60/102307

PR FILING DATE: 1998-09-29

APPLICATION NUMBER: 60/101738 FILING DATE: 1998-09-24 APPLICATION NUMBER: 60/101741 FILING DATE: 1998-09-24 APPLICATION NUMBER: 60/101743

R FILING DATE: 1998-09-30
R FILING DATE: 1998-09-30
R FILING DATE: 1998-09-30
R APPLICATION NUMBER: 60/102570
DR FILING DATE: 1998-09-30
R FILING DATE: 1998-09-30
R FILING DATE: 1998-09-30
R FILING DATE: 1998-09-30

FILING DATE: 1998-0 APPLICATION NUMBER:

FILING DATE: 1998-0 APPLICATION NUMBER:

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60/102484

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Eaton, Dan 1.

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                                                                           US-10-015-388A-294
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/10/015,388A
CURRENT FILING DATE: 2002-07-15
Prior Application removed - See File Wrapper or Palm NUMBER OF SEQ ID NOS: 477
SEQ ID NO 293
LENGTH: 24
                                     Query Match
                                                                                                                                                                      SEQ ID NO 294
LENGTH: 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 294, Application US/10015388A Publication No. US20030191299A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches 24;
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                                                                                                                                                                                                                                                                                               APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
                                                                                                                                                                                                        Prior Application removed - See File Wrapper or Palm NUMBER OF SEQ ID NOS: 477
                                                                                                                                                                                                                                              FILE REFERENCE: P2830P1C44
CURRENT APPLICATION NUMBER: US/10/015,388A
CURRENT FILING DATE: 2002-07-15
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APPLICANT: Botstein, David
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
                                                                                                               TYPE: DNA ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
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ORGANISM: Artificial Sequence
FEATURE:
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                                                                                           OTHER INFORMATION: Synthetic oligonucleotide probe
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 Local Similarity 100.0%;
nes 24; Conservative (
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Gao, Wei-Qiang
Goddard, Audrey
Godowski, Paul J.
Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
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Gao, Wei-Qiang
Goddard, Audrey
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Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
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Eaton, Dan 1.
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               1:0%; Score 24; DB 1; Length 24; 00.0%; Pred. No. 82;
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 Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-012-753A-293
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TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C17
CURRENT APPLICATION NUMBER: US/10/012,753A
CURRENT FILING DATE: 2001-12-07
Prior application removed - See file Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 293
LENGTH: 24
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                                                                                                                                                                                                                                                                                                                                            Sequence 294, A Publication No.
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      APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2830P1C17 CURRENT APPLICATION NUMBER: US/10/012,753A CURRENT FILING DATE: 2001-12-07
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APPLICANT:
APPLICANT:
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APPLICANT:
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APPLICANT: Botste
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ORGANISM: Artificial Sequence
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Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
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Gao, Wei-Qiang
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Godowski, Paul J.
Grimaldi, Christopher J.
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Botstein, David
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Eaton, Dan 1.
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Hillan, Kenneth J.
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o. US20030195334A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
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                                                                                                                                                                                                                        Sherman
                                                                                                                                                                                                                                                                                                            Kevin P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Luc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1.0%; Score 24;
00.0%; Pred. No.
See file Wrapper or Palm
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0
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US-10-015-385A-294/c
; Sequence 294, Application US/10015385A
; Publication No. US20030195347A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Botstein, David
; APPLICANT: Botstein, David
; APPLICANT: Eaton, Dan 1.
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                                                                                                                                                                                                                                                                                                                                                                      ; FEATURE: ; OTHER INFORMATION: Synthetic oligonucleotide probe US-10-015-385A-293
                                                                                                                                                                                   RESULT 114
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CURRENT FILING DATE: 2002-07-25
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 293
LENGTH: 24
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Best Local Similarity 100.0%;
Matches 24; Conservative
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Best Local Similarity
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APPLICANT:
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                                  APPLICANT:
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C51
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ENGTH: 24
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Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
Ferrara, Napoleone
Fong, Sherman
Gao, Wei-Qiang
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100.0%; Pred. No.
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Best Local Similarity
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Matches
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CURRENT FILING DATE: 2002-07-25
Prior Application removed - See File Wrapper or
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 294
LENGTH: 24
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NUMBER OF SEQ ID NOS: 477
SEQ ID NO 293
LENGTH: 24
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Publication No. US200301989
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, Davi
                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: PP2830P1C12 CURRENT APPLICATION NUMBER: US/10/007,236A CURRENT FILING DATE: 2002-06-25
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APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C51
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                                                                                      Local Similarity
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Gao, Mei-Qiang
Goddard, Audrey
Godowski, Paul J
Grimaldi, Christopher J.
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Desnoyers, Luc
Eaton, Dan 1.
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Paoni, Nicholas F.
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Hillan, Kenneth J.
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Hillan, Kenneth J.
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Grimaldi, Christopher J.
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                                                                 1.0%; Score 24; DB 1; Length 24; ilarity 100.0%; Pred. No. 82; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 82;
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RESULT 116 US-10-007-236A-294/c

Sequence 294, F Publication No

Application US/10007236A b. US20030198993A1

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SEQ ID NO 294
LENGTH: 24
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Best Local Similarity
SEQ ID NO 293
LENGTH: 24
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                              APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2830P1C48
CURRENT APPLICATION NUMBER: US/10/015,389A
CURRENT FILING DATE: 2002-06-25
Prior Application removed - See File Wrapper or Palm NUMBER OF SEQ ID NOS: 477
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2830P1C12
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Gao, Wei-Qiang
Goddard, Audrey
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Grimaldi, Christopher
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Hillan, Kenneth J.
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Grimaldi, Christopher J.
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Eaton, Dan 1.
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APPLICANT:

APPLICANT: Baker,

APPLICANT:

Desnoyers, Luc Eaton, Dan 1.

Botstein, David

Kevin P

Ferrara, Napoleone

APPLICANT: APPLICANT: APPLICANT:

Fong, Sherman Gao, Wei-Qiang Goddard, Audrey

Godowski, Paul J. Grimaldi, Christopher J.

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                                              RESULT 119
US-10-015-519A-293
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SEQ ID NO 294
LENGTH: 24
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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Best Local Similarity
Matches 24; Conserv
GENERAL INFORMATION:
             Sequence 293, A Publication No.
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APPLICANT:
APPLICANT:
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C48
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Hillan, Kenneth J.
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Grimaldi, Christopher J.
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Eaton, Dan 1.
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o. US20030199675A1
             Application US/10015519A
o. US20030203401A1
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100.0%; Pred. No.
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RESULT 121
US-10-013-915A-293
; Sequence 293, Application US/10013915A
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; OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-015-519A-293
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CURRENT FILING DATE: 2002-06-25
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 293
LENGTH: 24
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LENGTH: 24
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Best Local Similarity
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APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2830P1C49
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same
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                                                                                                                                                                                                                                                                                                   TYPE: DNA
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les 24; Conservative
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Gao, Wei-Qiang
Goddard, Audrey
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Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
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100.0%; Pred. No. 82;
vative 0; Mismatches
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Pred. No.
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APPLICANT: Paoni, Nicholas F.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic FILE REFERENCE: P2830P1C37

CURRENT APPLICATION NUMBER: US/10/013,915A

CURRENT FILING DATE: 2002-06-25

Prior Application removed - See File Wrapper or Palm

NUMBER OF SEQ ID NOS: 477

SEQ ID NO 293

ELNCTH: 24
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US-10-013-915A-294/c
; Sequence 294, Application US/10013915A
; Publication No. US20030204053A1
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Best Local Similarity
Matches 24; Conserva
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; OTHER INFORMATION: Synthetic oligonucleotide US-10-013-915A-294
                                                                                    SEQ ID NO 294
LENGTH: 24
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C37
CURRENT APPLICATION NUMBER: US/10/013,915A
CURRENT FILING DATE: 2002-06-25
CURRENT FILING DATE: 2002-06-25
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APPLICANT:
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ORGANISM: Artificial Sequence
                                                  TYPE: DNA ORGANISM: Artificial Sequence
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                                  FEATURE:
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Gao, Wei-Qiang
Goddard, Audrey
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Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
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Hillan, Kenneth J.
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Grimaldi, Christopher J.
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Gao, Wei-Qiang
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Desnoyers, Luc
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Paoni, Nicholas F.
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Desnoyers, Luc
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82;
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US-10-015-394A-293
                                                                                                                               ; OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-015-394A-293
                                                                                                                                                                                                             SEQ ID NO 293
LENGTH: 24
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Best Local Similarity
Matches 24; Conserv
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Best Local Similarity
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                                                              Matches
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C41
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PRIOR FILING DATE: 1998-09-01
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                                                                                                                                                                           TYPE: DNA
ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 60/099598
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                              1041 GCTGACCTGGTTCCCATCTACTCC 1064
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GCTGACCTGGTTCCCATCTACTCC 24
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Gao, Wei-Qiang
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Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
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                                                             Conservative
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L00.0%; Pred. No.
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Pred. No.
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; FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-015-394A-294
                                      US-10-015-390A-293
                                                       RESULT 125
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CURRENT FILING DATE: 2001-12-11
PRIOR APPLICATION NUMBER: 60/098716
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098723
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098749
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098750
PRIOR APPLICATION NUMBER: 60/098750
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Best Local S
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NUMBER OF SEQ ID NOS: 477
SEQ ID NO 294
FORDER OF 26
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PRIOR APPLICATION NUMBER: 60/099598
PRIOR FILING DATE: 1998-09-09
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PRIOR APPLICATION NUMBER: 60/
PRIOR FILING DATE: 1998-09-02
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                                                                                                                                                                                                                                                                                                         ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: 60/098843
                                                                                                                                     1463 GGAAGTGTCATGGGTGTCTGTGGG 1486
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: 60/099596
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 60/098821
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Grimaldi, Christopher
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Eaton, Dan l.
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Application US/10015390A
o. US20030216562A1
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o. US20030204054A1
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/ 100.0%; Pr
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Pred. No.
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GENERAL INFORMATION:

APPLICANT: Baker, Kevin P. APPLICANT: Botstein, David

Desnoyers, Luc Eaton, Dan 1.

Ferrara, Napoleone

Sequence 293, Appropriate Publication No.

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GGAAGTGTCATGGGTGTCTGTGGG

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; OTHER INFORMATION: Synthetic oligonucleotide probe US-10-015-390A-293
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                                                                                                                ; OTHER INFORMATION: Synthetic oligonucleotide probe US-10-015-390A-294
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Best Local Similarity
Matches 24; Conserv
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LENGTH: 24
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Best Local
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LENGTH: 24
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                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/10/015,390A
CURRENT FILING DATE: 2002-07-15
                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2830P1C53
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NUMBER OF SEQ ID NOS: 477
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION NUMBER: US/10/015,390A CURRENT FILING DATE: 2002-07-15
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                                                                                                                                               FEATURE:
                                                                                                                                                           ORGANISM: Artificial Sequence
                                                                                                                                                                           TYPE: DNA
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1463 GGAAGTGTCATGGGTGTCTGTGGG 1486
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                                                 24;
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cao, Wei-Qiang
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Grimaldi, Christopher
Gurney, Austin L.
Hillan, Kenneth J.
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Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
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Eaton, Dan 1.
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o. US20030216562A1
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                   1.0%; bred. No.
100.0%; bred. No.
100.0%; bred. No.
100.0%; bred. No.
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100.0%; Pred. No.
                                                             Score 24; DB 1;
Pred. No. 82;
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RESULT 127
US-10-006-746A-293
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PRIOR APPLICATION NUMBER: 60/098723
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098749
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PRIOR FILING DATE: 1998-09-01
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PRIOR FILING DATE: 1998-09-02
PRIOR APPLICATION NUMBER: 60/098843
PRIOR FILING DATE: 1998-09-02
PRIOR APPLICATION NUMBER: 60/099536
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CURRENT APPLICATION NUMBER: US/10/006,746A
CURRENT FILING DATE: 2001-112-06
PRIOR APPLICATION NUMBER: 60/098716
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              APPLICATION NUMBER: 60/100388 FILING DATE: 1998-09-15 APPLICATION NUMBER: 60/100390
                                                                     APPLICATION NUMBER: 60/099816
FILING DATE: 1998-09-10
APPLICATION NUMBER: 60/100385
FILING DATE: 1998-09-15
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APPLICATION NUMBER:
FILING DATE: 1998-09
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FILING DATE: 1998-09-09
APPLICATION NUMBER: 60/099602
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FILING DATE: 1998-09-15
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Gao, Wei-Qiang
Goddard, Audrey
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Hillan, Kenneth J.
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Grimaldi, Christopher J.
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Eaton, Dan 1.
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FILING DATE: 1998-09-16
APPLICATION NUMBER: 60/100683
FILING DATE: 1998-09-17
APPLICATION NUMBER: 60/100684

FILING DATE: 1998-09-16 APPLICATION NUMBER: 60/ APPLICATION NUMBER: 60/100662 FILING DATE: 1998-09-16 PILING DATE: 1998-09-16
APPLICATION NUMBER: 60/100661 APPLICATION NUMBER: 60/100627 APPLICATION NUMBER: 60/100584 FILING DATE: 1998-09-16

NUMBER: 60/100664

FILING DATE: 1998-09-17
APPLICATION NUMBER: 60/100710
FILING DATE: 1998-09-17
APPLICATION NUMBER: 60/100711
FILING DATE: 1998-09-17

APPLICATION NUMBER: 60/100848 FILING DATE: 1998-09-18 APPLICATION NUMBER: 60/100849

NUMBER: 60/100849

1998-09-18

APPLICATION NUMBER: 60/100919 FILING DATE: 1998-09-17 APPLICATION NUMBER: 60/100930

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OR APPLICATION NUMBER: 60/103401
OR FILING DATE: 1998-10-06
OR APPLICATION NUMBER: 60/103401
OR PILING DATE: 1998-10-08
OR APPLICATION NUMBER: 60/103678
OR FILING DATE: 1998-10-08
OR FILING DATE: 1998-10-08
OR APPLICATION NUMBER: 60/103679
OR APPLICATION NUMBER: 60/103679
OR APPLICATION NUMBER: 60/103711
OR FILING DATE: 1998-10-08
OR APPLICATION NUMBER: 60/104257
OR FILING DATE: 1998-10-08
OR APPLICATION NUMBER: 60/104987
OR APPLICATION NUMBER: 60/10500
OR APPLICATION NUMBER: 60/105000
OR FILING DATE: 1998-10-20
OR APPLICATION NUMBER: 60/105000
OR FILING DATE: 1998-10-20
OR APPLICATION NUMBER: 60/105000
OR FILING DATE: 1998-10-22
OR APPLICATION NUMBER: 60/105104
OR APPLICATION NUMBER: 60/105694
OR APPLICATION NUMBER: 60/105807
OR APPLICATION NUMBER: 60/105802
OR APPLICATION NUMBER: 60/105003
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OR APPLICATION NUMBER: 60/102571
OR FILING DATE: 1998-09-30
OR APPLICATION NUMBER: 60/102684
OR FILING DATE: 1998-10-01
OR APPLICATION NUMBER: 60/102687
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APPLICATION UNMBER: 60/103314
FILING DATE: 1998-10-07
APPLICATION UMBER: 60/103315
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FILING DATE: 1998-10-02
APPLICATION NUMBER: 60/103258
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APPLICATION NUMBER: 60/103328
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                                                                                                   Score 24; DB; Pred. No. 82; 0; Mismatches
                                                                                                                           DB 1;
82;
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APPLICATION NUMBER: 60/101279 FILING DATE: 1998-09-22 APPLICATION NUMBER: 60/101471

FILING DATE: 1998-09-18

NUMBER: 60/101071

1998-09-18

FILING DATE: APPLICATION 1

FILING DATE: 1998-09-18
APPLICATION NUMBER: 60/101068

NUMBER: 60/101014

1998-09-17

FILING DATE:

FILING DATE: 1998-09-23
APPLICATION NUMBER: 60/101474
FILING DATE: 1998-09-23

APPLICATION NUMBER: 60/101472 FILING DATE: 1998-09-23

APPLICATION NUMBER: 60/101475

RESULT 128
US-10-006-746A-294/c
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; Publication No. US20030220471A1

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NUMBER: 60/: : 1998-09-30 NUMBER: 60/102331: 1998-09-29 NUMBER: 60/102330

60/102487 60/102484 R FILING DATE: 1998-09-24
R APPLICATION NUMBER: 60/101743
R FILING DATE: 1998-09-24
R APPLICATION NUMBER: 60/101915
R FILING DATE: 1998-09-24
R APPLICATION NUMBER: 60/101916

APPLICATION N FILING DATE: APPLICATION N

NUMBER: 60/101479 NUMBER: 60/101477 : 1998-09-23 NUMBER: 60/101476

1998-09-23

NUMBER: 60/101738

1998-09-24 1998-09-23

FILING DATE: APPLICATION I

NUMBER: 60/101741 : 1998-09-24

FILING DATE: APPLICATION N

1998-09-23

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CURRENT APPLICATION NUMBER: US/10/006,746A
CURRENT FILING DATE: 2001-12-06
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TITLE OF INVENTION: Acids Encodi
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                       PR FILING DATE: 1998-09-15

PR APPLICATION NUMBER: 60/100390

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PR APPLICATION NUMBER: 60/100584

PR FILING DATE: 1998-09-16

PR APPLICATION NUMBER: 60/100627

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APPLICATION NUMBER: 60/098723
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APPLICATION NUMBER:
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APPLICATION NUMBER: 60/099596
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APPLICATION NUMBER: 60/099536
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Gao, Wei-Qiang
Goddard, Audrey
Goddwski, Paul J.
Grimaldi, Christopher J
Gurney, Austin L.
Hillan, Kenneth J.
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Gao,

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RESULT 129
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                                                                              GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
                                                                                                           Sequence 293, Application US/10226254A Publication No. US20030224478A1
                                                APPLICANT:
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APPLICATION NUMBER: 60/:
FILING DATE: 1998-10-28
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APPLICATION NUMBER:
FILING DATE: 1998-10
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APPLICATION NUMBER: 60/105807
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APPLICATION NUMBER: 60/105266
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FILING DATE: 1998-10-07
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FILING DATE: 1998-10-07
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Eaton, Dan 1.
Ferrara, Napoleone
Fong, Sherman
                                             Botstein, David
Desnoyers, Luc
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APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2830P1C88
CURRENT APPLICATION NUMBER: US/10/226,254A
CURRENT FILING DATE: 2002-008-16
PRIOR APPLICATION NUMBER: 60/098716
PRIOR APPLICATION NUMBER: 60/098723
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098749
PRIOR APPLICATION NUMBER: 60/098750
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098750
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098750
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098750
PRIOR APPLICATION NUMBER: 60/098750
PRIOR APPLICATION NUMBER: 60/098803
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US-10-226-254A-294/c
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US-10-226-254A-293
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Best Local S
Matches 24
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Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 293
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TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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DR FILING DATE: 1998-09-02
DR APPLICATION NUMBER: 60/099536
DR APPLICATION NUMBER: 60/099596
DR FILING DATE: 1998-09-09
DR APPLICATION NUMBER: 60/099598
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                    : Paoni, Nicholas F. INVENTION: Secreted a
                                                                                                       Fong, Sherman
Gao, Wei-Qiang
Goddard, Audrey
Goddwski, Paul J.
Grimaldi, Christopher J.
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                                                                              Gurney, Austin L.
Hillan, Kenneth J.
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Eaton, Dan 1.
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Hillan, Kenneth J.
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Grimaldi, Christopher J.
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                                                              James
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Acids Encoding the Same
                      and Transmembrane Polypeptides and Nucleic
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Pred. No.
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US-10-011-795A-293
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US-10-226-254A-294
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LENGTH: 24
                                                     SEQ ID NO 293
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APPLICANT:
                                                                     APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2830P125 CURRENT APPLICATION NUMBER: US/10/011,795A CURRENT FILING DATE: 2001-12-07 Prior application removed - See file Wrapper or Palm NUMBER OF SEQ ID NOS: 477
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APPLICANT:
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PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/098723
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CURRENT APPLICATION NUMBER: US/10/226,254A
CURRENT FILING DATE: 2002-08-21
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PRIOR FILING DATE: 1998-09-09
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PRIOR FILING DATE: 1998-09-01
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ORGANISM: Artificial Sequence
                                   LENGTH: 24
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Hillan, Kenneth J.
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Gao, Wei-Qiang
Goddard, Audrey
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Botstein, David
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Grimaldi, Christopher J.
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RESULT 132
US-10-011-795A-294/c
; Sequence 294, Application US/10011795A
US20040005626A1
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; OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-011-795A-294
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US-10-012-231A-293
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CURRENT FILING DATE: 2001-12-07
Prior application removed - See file Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 294
LENGTH: 24
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Best Local Similarity
Matches 24; Conserv
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APPLICANT: Baker, K
APPLICANT: Botstei
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APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
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                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity 100.0%; Fe 24; Conservative 0;
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                                            Pong, Sherman
Gao, Mei-Qiang
Goddard, Audrey
Godowski, Paul J.
Grimaldi, Christopher J.
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Gao, Wei-Qiang
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Godowski, Paul J.
Grimaldi, Christopher J.
Gurney, Austin L.
Pan,
               Gurney, Austin L.
Hillan, Kenneth J
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                                                                                                                              Ferrara, Napoleone
                                                                                                                                              Eaton, Dan 1.
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Desnoyers, Luc
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                                                                                                                                                                                             Kevin P.
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100.0%; Pred. No. 82;
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RESULT 135
US-10-015-395A-293
; Sequence 293, Application US/10015395A
; Publication No. US20040073015A1
; GENERAL INFORMATION:
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US-10-012-231A-293
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NUMBER OF SEQ ID NOS: 477
SEQ ID NO 293
LENGTH: 24
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TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: PEB30P1C23
CURRENT APPLICATION NUMBER: US/10/012,231A
CURRENT FILING DATE: 2002-06-10
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OTHER INFORMATION: Synthetic oligonucleotide probe
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nes 24; Conserv
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Gao, Wei-Qiang
Godoward, Audrey
Godowaki, Paul J.
Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
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100.0%; Pred. No. 82;
tive 0; Mismatches
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100.0%; Pred. No. 82;
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                                                                CURRENT APPLICATION NUMBER: US/10/015,395A
CURRENT FILING DATE: 2001-12-12
Prior application removed - See file Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 294
LENGTH: 24
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CURRENT FILING DATE: 2001-12-12
Prior application removed - See file Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 293
LENGTH: 24
TYPE: DNA
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Best Local Similarity 100.0%;
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TITLE OF INVENTION: Secreted and Transmembrane
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C57
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic ITILE OF INVENTION: Acids Encoding the Same TILE REFERENCE: P2830P1C57
TIDEPENT ANTI-TERMONE.
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                 ORGANISM: Artificial Sequence FEATURE:
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OTHER INFORMATION: Synthetic oligonucleotide probe
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Gao, Wei-Qiang
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Gao, Wei-Qiang
Goddard, Audrey
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Grimaldi, Christopher J.
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Hillan, Kenneth J.
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Hillan, Kenneth J.
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Grimaldi, Christopher J.
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100.0%; Pred. No.
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Query Match

1.0%; Score 24;

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Best Local Similarity

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APPLICANT: Baker, Kevin P.
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LENGTH: 24
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APPLICANT:
APPLICANT:
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Pan, James
APPLICANT: Pani, James
APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C26
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CURRENT FILING DATE: 2002-06-25
Prior Application removed - See File Wrapper or NUMBER OF SEQ ID NOS: 477
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C26
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
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Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
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Gao, Wei-Qiang
Goddard, Audrey
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Eaton, Dan 1.
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Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
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o. US20050043520A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1.0%; Score 24;
L00.0%; Pred. No.
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CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 6
LENGTH: 24
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                             ; ORGANISM: Mus musculus US-10-719-900-684231
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                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 140
US-10-719-900-684231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: PCR Primer US-10-643-801-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; FEATURE: ; OTHER INFORMATION: Synthetic oligonucleotide probe US-10-012-149A-294
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 139
                                                                                                                                                                                       GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528.1
CURRENT APPLICATION NUMBER: US/10/719,900
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,808
PRIOR APPLICATION NUMBER: 60/427,808
PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 982914
                                                                                                                                                     SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1 SEQ ID NO 684231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 100.0%;
Matches 24; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 6, Application US/10643801
Publication No. US20050043524A1
GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Prior Application removed - See File Wrapper or Palm NUMBER OF SEQ ID NOS: 477
SEQ ID NO 294
LENGTH: 24
Query Match 1.0%;
Best Local Similarity 96.0%;
Matches 24; Conservative
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CURRENT FILING DATE: 2002-06-25
                                                                                                                     TYPE: DNA
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                                                                                                                                     ENGTH: 25
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les 24; Conserv
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00.0%; Pred. No.
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0; Mismatches
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 Score 23.4; D
Pred. No. 97;
0; Mismatches
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82;
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                                     Length 25;
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US-10-719-900-761465
                                                                                                                                                                                                                                                                                                                                                                                      ; ORGANISM: Rattus norvegicus
US-10-719-956-19410
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; ORGANISM: Mus musculus
US-10-719-900-761465
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TITLE OF INVENTION: Methods of Genetic Analysis of Rat

FILE REPERENCE: 5527.1

CURRENT APPLICATION NUMBER: US/10/719,956

CURRENT FILING DATE: 2003-11-20

PRIOR APPLICATION NUMBER: 60/427,836

PRIOR FILING DATE: 2002 11 20

NUMBER OF SEQ ID NOS: 699466

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 19410

LENGTH: 25
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SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SQ ID NO 761465
Sequence 102353, Application US/10719956
publication No. US20040146910A1
GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 3527.1
CURRENT APPLICATION NUMBER: US/10/719,956
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Publication No. US20040146910A1
GENERAL INFORMATION:
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Best Local S
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Best Local Similarity 96.0%;
Matches 24; Conservative
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CURRENT APPLICATION NUMBER: US/10/719,900
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,808
PRIOR FILING DATE: 2002 11 20
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TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
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Similarity 96.0%;
24; Conservative
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Pred. No. 97;
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Sequence 323131, Application US/10719956

Publication No. US20040146910A1

GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
ITITLE OF INVENTION: Methods of Genetic Analysis of
FILE REFERENCE: 3527.1

CURRENT APPLICATION NUMBER: US/10/719,956

CURRENT FILING DATE: 2003-11-20

PRIOR APPLICATION NUMBER: 60/427,836

PRIOR APPLICATION NUMBER: 60/427,836

PRIOR FILING DATE: 2002 11 20

NUMBER OF SEQ ID NOS: 699466

SOFTMARE: Microarray Probe Sequence Listing Generat SEQ ID NO 323131

LENGTH: 25

TYPE: DNA
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; ORGANISM: Rattus norvegicus
US-10-719-956-145295
                                                                                                                                                                                                                                                                                                                                                                RESULT 145
US-10-719-956-323131
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; ORGANISM: Rattus
US-10-719-956-102353
                                                                  ; ORGANISM: Rattus norvegicus
US-10-719-956-323131
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CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,836
PRIOR FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 145295
LENGTH: 2525
LENGTH: 2525
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                                    Query Match
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TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 3527.1
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PRIOR,FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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Local Similarity 96.0%;
                Local Similarity
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                Score 23.4;
Pred. No. 97;
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Pred. No. 97;
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Pred. No. 97;
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1296 GACCTGTACCACACCATGTACATGG

1320

GACCTGTACCACTCCATGTACATGG

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CURRENT APPLICATION NUMBER: US/10/324,618
CURRENT FILING DATE: 2002-12-19
PRIOR APPLICATION NUMBER: 60/341,947
PRIOR FILING DATE: 2002-12-19
PRIOR APPLICATION NUMBER: 60/411,859
PRIOR FILING DATE: 2002-09-19
NUMBER OF ESQ ID NOS: 65
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 147
US-10-324-618-25
US-10-324-618-25
; Sequence 25, Application US/10324618
; Publication No. US20030170691A1
; GENERAL INFORMATION:
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; OTHER INFORMATION: Synthetic oligonucleotide primer
US-10-278-733-22
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CURRENT FILING DATE: 2002-10-21
PRIOR APPLICATION NUMBER: 10/040,315
PRIOR FILING DATE: 2001-10-29
PRIOR APPLICATION NUMBER: 09/339,472
PRIOR FILING DATE: 1999-06-23
PRIOR APPLICATION NUMBER: 60/107,771
PRIOR APPLICATION NUMBER: 60/107,771
PRIOR FILING DATE: 1998-11-09
PRIOR FILING DATE: 1998-11-09
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 22
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Gimeno, Ruth
APPLICANT: Wu, Zhidan
APPLICANT: Kapeller-Libermann, Rosana
APPLICANT: Kapeller-Libermann, Rosana
APPLICANT: Hubbard, Brian K,
TITLE OF INVENTION: HUMAN DIACYLGLYCEROL ACYLTRANSFERASE 2
TITLE OF INVENTION: (DGAT2) FAMILY MEMBERS AND USES THEREFOR
FILE REFERENCE: MPI01-263P2RM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Smith, Steven
APPLICANT: Chen, Hubert
APPLICANT: Farese, Robert V Jr
TITLE OF INVENTION: Methods and compositions for modulating
TITLE OF INVENTION: Sebaceous glands
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: PCT/US98/17883 PRIOR FILING DATE: 1998-08-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR FILING DATE: 1998-06-24
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILE REFERENCE: UCAL-105CIP4
                                                  TYPE: DNA ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA ORGANISM: Artificial Sequence
OTHER INFORMATION: 86606 forward primer
                                                                                                                                                                                                     LENGTH: 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         918 AGTGGCAATGCTATCATCATCGT 940
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US-10-643-801-7
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                                                                                                                                                                                      APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth M. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 7
LENGTH: 22
TYPE: DNA
ORGANISM: Artificial Sequence
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APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 5
LENGTH: 22
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
COTHER INFORMATION: PCR Primer
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Matches 22; Conserv
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                                                                                                                                                               FEATURE:
OTHER INFORMATION: PCR Probe
                                                             / Match
Local Similarity 100.0%; Pred. NO. 1...
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                     814 TGGCAGGCAACTTCCGAATGCC 835
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TGGCAGGCAACTTCCGAATGCC 22
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                                                                                        0.9%; Score 22;
100.0%; Pred. No.
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                                                                                          1.1e+02;
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US-10-883-760-23 ; Sequence 23, Application US/10883760 ; Publication No. US20050035174A1

RESULT 150

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TITLE OF INVENTION: ACYLTRANSFERASES FOR ALTERATION OF POLYUNSATURATED FATTY ACIDS;
TITLE OF INVENTION: ACYLTRANSFERASES FOR ALTERATION OF POLYUNSATURATED FATTY ACIDS;
TITLE REFERENCE: CL2302 US NA
CURRENT APPLICATION NUMBER: US/10/883,760
CURRENT FILING DATE: 2004-07-06
NUMBER OF SEQ ID NOS: 86
SOFTWARE: Patentin version 3.2
SEQ ID NO 23
LENGTH: 29
TYPE: Num
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US-10-719-900-16467
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; LOCATION: (24)...(24)
; OTHER INFORMATION: n is a,
US-10-883-760-23
                                                                                                                                                                                       US-10-719-900-811306
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                                                                                                                             Sequence 811306, Application US/10719900 Publication No. US20050026164A1 GENERAL INFORMATION:
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SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 16467
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Matches 22; Conserva
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APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 5258.1
CURRENT APPLICATION NUMBER: US/10/719,900
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,808
PRIOR FILING DATE: 2002 11 20
PRIOR FILING DATE: 2002 11 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528.1
CURRENT APPLICATION NUMBER: US/10/719,900
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,808
PRIOR FILING DATE: 2002 11 20
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OTHER INFORMATION: Primer P7
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                                                                                                                                                                                                                                                                                                                                                          Local
                                                                                                                                                                                                                                                                                   1008 AAGGGCTTTGTGAAACTGGCCCTGC 1032
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23; Conserv
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Pred. No. 1.5e+02;
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AAATTTGGAAGCCTCATGGGTGTCT 25

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APPLICANT: Xue Mei Zhou
TITIE OF INVENTION: Methods of Genetic Analysis of
FILE REFERENCE: 3528.1
CURRENT APPLICATION NUMBER: US/10/719,900
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,808
PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing General
SEQ ID NO 889907
LENGTH: 25
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                                                                                                       ; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-719-956-19409
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                                                                                                                                                                 APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 3527.1
CURRENT APPLICATION NUMBER: US/10/719,956
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,836
PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V
SEQ ID NO 19409
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Best Local S
                                           Matches
                                                         Query Match
Best Local
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ORGANISM: Mus musculus
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                                                                                                                                                      LENGTH: 25
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1457 AAATTTGGAAGTGTCATGGGTGTCT 1481
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                                                          Similarity
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Pred. No. 1
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Pred. No. 1
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                                                                      Length
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US-10-719-956-102354

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Sequence 145296, Application US/10719956

Publication No. US20040146910A1

GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou

TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 3527.1

CURRENT APPLICATION NUMBER: US/10/719,956

CURRENT FILING DATE: 2003-11-20

PRIOR APPLICATION NUMBER: 60/427,836

PRIOR FILING DATE: 2002 11 20

NUMBER OF SEQ ID NOS: 699466

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 145296

LENGTH: 25

TYPE: DNA
ORGANISM: Rattus norvegicus

US-10-719-956-145296
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                                                                                                                                                                                                                                                         RESULT 157
US-10-719-956-630251
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US-10-719-956-145296
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; ORGANISM: Rattus norvegicus
US-10-719-956-102354
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TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 3527.1

CURRENT APPLICATION NUMBER: US/10/719,956

CURRENT FILING DATE: 2003-11-20

PRIOR APPLICATION NUMBER: 60/427,836

PRIOR FILING DATE: 2002 11 20

NUMBER OF SEQ ID NOS: 699466

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 102354
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Publication No. US20040146910A1
GENERAL INFORMATION:
                                                                                                                                                                                           Sequence 630251, Application US/10719956 
Publication No. US20040146910A1 
GENERAL INFORMATION:
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Best Local Similarity
Matches 23; Conserv
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                                   APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 3527.1
CURRENT APPLICATION NUMBER: US/10/719,956
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,836
PRIOR APPLICATION NUMBER: 60/427,836
PRIOR FILING DATE: 2002 11 20
                        NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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Pred. No. 1.3e+02;
0; Mismatches
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Pred. No. 1.3e+02;
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; ORGANISM: Rattus norvegicus
US-10-719-956-630251
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US-10-719-900-16468
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US-10-719-900-263580
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                                                                                                                                                                             PRIOR APPLICATION NUMBER: 60/427,808
PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 263580
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                 Sequence 263580, Application US/10719900 Publication No. US20050026164A1 GENERAL INFORMATION:
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SEQ ID NO 16468
LENCTH: 25
TYPE: DNA
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Best Local Similarity
Matches 23; Conserv
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Best Local Similarity
Matches 22; Conserv
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TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528.1
CURRENT APPLICATION NUMBER: US/10/719,900
CURRENT FILING DATE: 2003-11-20
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CURRENT APPLICATION NUMBER: US/10/719,900

CURRENT FILING DATE: 2003-11-20

PRIOR APPLICATION NUMBER: 60/427,808

PRIOR FILING DATE: 2002 11 20

NUMBER OF SEQ ID NOS: 982914
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TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Mus musculus
                                                                                                                                                                   TYPE: DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
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                             1036 ATGGAGCTGACCTGGTTCCCATCTA 1060
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nilarity 88.0%;
Conservative
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Pred. No. 1.3e+02;
0; Mismatches
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                                                                Score 20.2; DB 1;
Pred. No. 1.7e+02;
0; Mismatches 3
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RESULT 160 US-10-719-900-407646

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US-10-719-900-539350
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US-10-719-900-407646
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PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 539350
LENGTH: 25
                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528.1
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LENGTH: 25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
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                                                                                                        CURRENT APPLICATION NUMBER: US/10/719,900 CURRENT FILING DATE: 2003-11-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILE REFERENCE: 3528.1
CURRENT APPLICATION NUMBER: US/10/719,900
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,808
PRIOR FILING DATE: 2002 11 20
PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 982914
SOPTWARE: Microarray Probe Sequence Listing Generator V 1.1
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 539351
                                                             PRIOR APPLICATION NUMBER: 60/427,808 PRIOR FILING DATE: 2002 11 20
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TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 20.2; DB 1;
Pred. No. 1.7e+02;
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Pred. No. 1.7e+02;
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; ORGANISM: Mus musculus
US-10-719-900-539351
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US-10-719-900-832328
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US-10-719-900-811305
                                                                                                                               US-10-719-900-832328
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; ORGANISM: Mus musculus 
US-10-719-900-811305
                                                                                                                                                                                                                                                                                                                                                         Sequence 832328, Application US/10719900 Publication No. US20050026164A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQ ID NO 811305
LENGTH: 25
TYPE: DNA
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                                                                                                                                                                             SEQ ID NO 832328
LENGTH: 25
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Best Local
                                                               Matches
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                                                                                               Query Match
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TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528.1
CURRENT APPLICATION NUMBER: US/10/719,900
CURRENT FILING DATE: 2003-11-20
                                                                                                                                                                                                                                                                           TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REPERENCE: 3528.1
CURRENT APPLICATION NUMBER: US/10/719,900
CURRENT FILING DATE: 2003-11-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: 60/427,808
PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: 60/427,808
PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
                                                                                                                                                                                                                                                                                                                                             APPLICANT: Xue Mei Zhou
                                                                                                                                               ORGANISM: Mus musculus
                                                                                                                                                                 TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 25
                                                               Local Similarity 88.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1138 TCCAGAAATACATTGGTTTCGCCCC 1162
                                2232 TCTGAGCAGCAGATTAGTTCCAAAG 2256
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Similarity 88.0%;
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TCTGAGCAGCAGAGTTGTTCCAATG 25
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                                                             Score 20.2; DB 1;
Pred. No. 1.7e+02;
0; Mismatches 3
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Pred. No. 1.7e+02
0; Mismatches
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Pred. No. 1.7e+02
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RESULT 167
US-10-719-956-630252
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US-10-719-956-70482
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US-10-719-956-70482
                                                                             Sequence 630252, Application US/10719956
Publication No. US20040146910A1
GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 3527.1
CURRENT APPLICATION NUMBER: US/10/719,956
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,836
PRIOR APPLICATION NUMBER: 60/427,836
PRIOR FILING DATE: 2002 11 20
NUMBER OF SECT IN NOC. 600466
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REPERENCE: 527.1
CURRENT APPLICATION NUMBER: US/10/719,956
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,836
PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 70482
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CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,808
PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 880908
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Publication No. US20040146910A1
GENERAL INFORMATION:
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 630252
LENGTH: 25
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Best Local
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TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528.1
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les 22; Conservative
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Pred. No. 1.7e+02;
0; Mismatches 3;
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Pred. No. 1.7e+02
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US-10-324-618-26/c
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                                                                          ; OTHER INFORMATION: US-10-307-817-379
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; OTHER INFORMATION: 86606 reverse primer US-10-324-618-26
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                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 169
                                                                                                              APPLICANT: Agee et al.
TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: 21402-502C
CURRENT APPLICATION NUMBER: US/10/307,817
CURRENT FILING DATE: 2002-12-02
NUMBER OF SEQ ID NOS: 682
SOFTWARE: CURSSEQLIST VERSION 0.1
SEQ ID NO 379
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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SOFTWARE: FastSEQ for Windows Version
SEQ ID NO 26
LENGTH: 20
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APPLICANT: Gimeno,
APPLICANT: Wu, Zhi
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Best Local Similarity 88.0%;
Matches 22; Conservative
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                                                                                                                                                                                                                                                                                                                                                                      Sequence 379, Application US/10307817 Publication No. US20040058338A1
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Best Local Similarity
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Query Match 0.8%; Score 20; DB 1; Best Local Similarity 100.0%; Pred. No. 1.4e+02 Matches 20; Conservative 0; Mismatches 0
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ITILE OF INVENTION: HUMAN DIACYLGLYCEROL ACYLTRANSFERASE 2
TITLE OF INVENTION: (DGAT2) FAMILY MEMBERS AND USES THEREFOR FILE REFERENCE: MPIO1-263P2RM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR FILING DATE: 2002-12-19
PRIOR APPLICATION NUMBER: 60/411,859
PRIOR FILING DATE: 2002-09-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/10/324,618
CURRENT FILING DATE: 2002-12-19
PRIOR APPLICATION NUMBER: 60/341,947
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ORGANISM: Artificial Sequence
FEATURE:
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Kapeller-Libermann, Rosana
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                                                                                                Description of Artifical Sequence:
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Pred. No. 1.7e+02;
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RESULT 172
US-10-643-801-22/c
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US-10-643-801-20/c
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APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: WODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 21
LENGTH: 20
Sequence 22, Application US/10643801
Publication No. US20050043524A1
GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 21, Application US/10643801
Publication No. US20050043524A1
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SEQ ID NO 20
LENGTH: 20
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APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION UNMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
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                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
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                                                                                                                                                                                                                                                                                                                                                           OTHER INFORMATION: Antisense Oligonucleotide
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100.0%; Pred. No.
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                                                                   US-10-643-801-24
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                                                                                                                                                                                                                                                                                                                                                                               RESULT 174
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US-10-643-801-23
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US-10-643-801-22
                                                                                                                                  APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT FAPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 24
LENGTH: 20
TYPE: DNA
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SEQ ID NO 23
LENGTH: 20
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CURRENT FILING DATE: 2003-08-18
NUMBER'OF, SEQ ID NOS: 230
SEQ ID NO 22
LENGTH: 20
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Matches
              Query Match
Best Local S
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: WODDIATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                  ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA ORGANISM: Artificial Sequence FEATURE:
                                                                                  OTHER INFORMATION: Antisense Oligonucleotide
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Similarity 100.0%;
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100.0%; 1
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100.0%; Pred. No. 1.4e+02;
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Mismatches
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RESULT 177
US-10-643-801-27/c
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US-10-643-801-25/c
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US-10-643-801-26/c
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             Sequence 27, Application US/10643801
Publication No. US20050043524A1
GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 26, Application US/10643801
Publication No. US20050043524A1
GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
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SEQ ID NO 26
LENGTH: 20
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Best Local
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Best Local
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LENGTH: 20
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CURRENT APPLICATION NUMBER: US/10/643,801
                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA ORGANISM: Artificial Sequence
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Pred. No.
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Pred. No. 1.4e+0
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FILE REFERENCE: RTS-0678US; CURRENT APPLICATION NUMBER: US/10/643,801; CURRENT FILING DATE: 2003-08-18; NUMBER OF SEQ ID NOS: 230; SEQ ID NO 28; LENGTH: 20; TYPE: DNA ORGANISM: Artificial Sequence
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Best Local Similarity
Matches 20; Conserve
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                                                                 US-10-643-801-29
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US-10-643-801-29/c
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                                                                                                                            TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE FILE REFERENCE: RTS-0678US CURRENT APPLICATION NUMBER: US/10/643,801 CURRENT FILING DATE: 2003-08-18 NUMBER OF SEQ ID NOS: 230 SEQ ID NO 29 LENGTH: 20 TYPE: DNA
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Publication No. US20050043524A1
GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
                                                                                                                                                                                                                                                              GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. D
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NUMBER OF SEQ ID NOS: 230
SEQ ID NO 27
LENGTH: 20
 Matches
                Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA ORGANISM: Artificial Sequence
                                                                                OTHER INFORMATION: Antisense Oligonucleotide
                                                                                                ORGANISM: Artificial Sequence FEATURE:
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100.0%; Pred. No. 1.4e+02;
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                  Score 20; ; Pred. No.
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                                   DB 1;
                  1.4e+02;
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US-10-643-801-32/c
; Sequence 32, Application US/10643801
; Publication No. US20050043524A1
; GENERAL INFORMATION:
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; OTHER INFORMATION: AntiBense Oligonucleotide
US-10-643-801-30
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US-10-643-801-30/c
                                                                                                                                                                                     RESULT 182
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US-10-643-801-31
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Best Local Similarity
Matches 20; Conserv
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Best Local (
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CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 30
LENGTH: 20
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LENGTH: 20
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
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TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-067802
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
                                                                     APPLICANT: Sanjay Bhanot APPLICANT: Kenneth W. D
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APPLICANT: Kenneth W. D
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TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
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                                                                                                                                                                                                                                                                   689 CAGGAACTATATCTTTGGAT 708
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Conservative (
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100.0%; Pred. No. 1.4e+02;
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                                                                                                               ; OTHER INFORMATION: Antisense Oligonucleotide US-10-643-801-34
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US-10-643-801-33
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US-10-643-801-32
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                                                Query Match
Best Local S
Matches 20
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SEQ ID NO 33
LENGTH: 20
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Publication No. US20050043524A1
GENERAL INFORMATION:
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LENGTH: 20
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Best Local Similarity
Matches 20; Conserv
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SEQ ID NO 32
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: WOULLATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
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CURRENT FILING DATE: 2003-08-18
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                                                                                                                                                                                                                           NUMBER OF SEQ ID NOS:
                                                                                                                                           TYPE: DNA ORGANISM: Artificial Sequence FEATURE:
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ORGANISM: Artificial Sequence
FEATURE:
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846 GAGTACCTGATGTCTGGAGG 865
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                                              h 0.8%; Score 20; DB 1;
Similarity 100.0%; Pred. No. 1.4e+0
20; Conservative 0; Mismatches
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RESULT 187
US-10-643-801-37/c
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US-10-643-801-36/c
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US-10-643-801-35
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Sequence 37, Application US/10643801
Publication No. US20050043524A1
GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
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Publication No. US20050043524A1
GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION UNMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
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LENGTH: 20
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Best Local Similarity
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
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ORGANISM: Artificial Sequence
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Pred. No.
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Sequence 39, Application US/10643801
Publication No. US20050043524A1
GENERAL INFORMATION:
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US-10-643-801-38/c
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APPLICANT: Kenneth W. Dobie
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE, REFERENCE: RTS-06/78US
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 38
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
CORGANISM: Artificial Sequence
ORGANISM: Artificial Sequence
                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 39
LENGTH: 20
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Best Local Similarity
Matches 20; Conserv
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LENGTH: 20
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Best Local Similarity
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
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                                                                                                                    FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
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ORGANISM: Artificial Sequence
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CTGAGCTCCATGCCTGGCAA 982
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0; Mismatches
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0; Mismatches
                                           0; Mismatches
                                                           Score 20;
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1.4e+02;
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APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL
PILE REFERENCE: RTS-0678US
CURRENT PELLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 42
                                                                                                                                                    Sequence 42, Application US/10643801 Publication No. US20050043524A1 GENERAL INFORMATION:
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APPLICANT: Kenneth W. Dobie
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT PAPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 40
                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
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LENGTH: 20
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Publication No. US20050043524A1
GENERAL INFORMATION:
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Best Local
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CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: Antisense Oligonucleotide
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100.0%; Pred. No. 1.4e+02;
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SEQ ID NO 44
LENGTH: 20
TYPE: DNA
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Best Local Sim
Matches 20;
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Best Local Similarity
Matches 20; Conserv
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SEQ ID NO 43
LENGTH: 20
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APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. D
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                                                                 Query Match
                                                                                                                                                                                                                                FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
                                                                                                                                                                                                                                                                                  APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
                                                                                                                                                                                                                                                                                                     APPLICANT: Sanjay Bhanot APPLICANT: Kenneth W. D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA ORGANISM: Artificial Sequence FEATURE:
                                                                                                                 OTHER INFORMATION: Antisense Oligonucleotide
                                                                                                                                                  ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Artificial Sequence FEATURE: OTHER INFORMATION: Antisense Oligonucleotide
                                                                                                                                   FEATURE:
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   1197 GACACCTGGGGGCTGCC 1216
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                                                  Score 20; Pred. No.
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RESULT 197
US-10-643-801-47/c
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US-10-643-801-46/c
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT FILIG DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 46
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
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Publication No. US20050043524A1
GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
                                                                                                                                                                            Sequence 47, Application US/10643801 Publication No. US20050043524A1 GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 47
LENGTH: 20
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LENGTH: 20
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Best Local Similarity
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Best Local
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100.0%; Pred. No.
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Pred. No.
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Sequence 48, Application US/10643801

Publication No. US20050043524A1

GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 48
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-10-643-801-48
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                                                                                                                                    US-10-643-801-49
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                                                                                                                                                                                                   FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 49
LENGTH: 20
TYPE: DNA
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Best Local Similarity
Matches 20; Conserv
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Best Local Similarity 100.0%; F
Matches 20; Conservative 0;
                                                                                Query Match
Best Local Similarity
                                                                  Matches
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                                                                                                                                                                                                                                                                                                                          APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
                                                                                                                                                                                                                                                                                                                                              APPLICANT: Sanjay Bhanot APPLICANT: Kenneth W. D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: Antisense Oligonucleotide
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ORGANISM: Artificial Sequence
                                                                                                                                                  OTHER INFORMATION: Antisense Oligonucleotide
                                                                                                                                                                    ORGANISM: Artificial Sequence FEATURE:
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                                1319
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100.0%; Pred. No. 1.4e+02;
ive 0; Mismatches 0;
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100.0%; Pred. No. 1.
ive 0; Mismatches
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TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
LENGTH: 20
TYPE: PX**
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION; FILE REFERENCE: RTS-0678US; CURRENT APPLICATION NUMBER: US/10/643,801; CURRENT FILING DATE: 2003-08-18; NUMBER OF SEQ ID NOS: 230
SEQ ID NO 52
LENGTH: 20
TYPE: DNA
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                                                                                                                                                                                                                                     RESULT 202
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LENGTH: 20
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Best Local Similarity
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Best Local Similarity
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TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2
EILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
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ORGANISM: Artificial Sequence
FEATURE:
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                                                                                                                                                                                                                                                                                                           1474 GGGTGTCTGTGGGTTATTTA 1493
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100.0%; Pred. No. 1.4e+(
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100.0%; Pred. No.
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cheв 0;
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NUMBER OF SEQ ID NOS: 230

; SEQ 'ID NO 63
; LENCTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
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US-10-643-801-62
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                                                                         Query Match
Best Local S
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LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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Best Local S
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Publication No. US20050043524A1
GENERAL INFORMATION:
                                                             Matches
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Best Local Similarity 100.0%;
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: WODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
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CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
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                            134 GCTCTGCGCGAAGCCCTGGC 153
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100.0%; Pred. No. 1.
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00.0%; Pred. No. 1.4e+0
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                                                             1.4e+02;
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RESULT 207
US-10-643-801-66/c
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LENGTH: 20
TYPE: DNA
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Best Local S
Matches 20
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Publication No. US20050043524A1
GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
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LENGTH: 20
                                 SEQ ID NO 66
LENGTH: 20
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Best Local Similarity
Matches 20; Conserv
                                                                     APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
FULE REFERENCE: RTS-0678US
FULE REFERENCE: RTS-0678US
CURRENT FLICATION NUMBER: US/10/643,801
CURRENT FLING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODILATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2
FILE REFERENCE: RTS-0678US
CURRENT FAPLICATION NUMBER: US/10/643,801
CURRENT FAPLICATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
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CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
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                   TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OTHER INFORMATION: Antisense Oligonucleotide
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ORGANISM: Artificial Sequence
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20; Conserv
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0; Mismatches
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NUMBER OF SEQ ID NOS: 230
SEQ ID NO 67
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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US-10-643-801-67/c
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GENERAL TOOK AND TOOK AND THE PROPERTY OF THE CANT: Sanjay Bhanot APPLICANT: Kenneth W. Dobie APPLICANT: Kenneth W. Dobie TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION FILE REFERENCE: RTS-0678US CURRENT FILING DATE: 2003-08-18

NUMBER OF SEQ ID NOS: 230

SEQ ID NO 68
LENGTH: 20

TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Artificial Sequence
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Best Local Similarity 100.0%;
Matches 20; Conservative
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                                                                    Matches
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                                                                                  Query Match
Best Local Similarity
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nes 20; Conserv
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GCAGTCACCCTGCGGAACCG 1
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                                                                  Conservative
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                                                                                  0.8%; Score 20;
100.0%; Pred. No.
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100.0%; Pred. No. 1.4e+02;
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%; Pred. No. 1.4
0; Mismatches
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RESULT 210 US-10-643-801-69/c

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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-643-801-70
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SEQ ID NO 70
LENGTH: 20
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                                                 ENERAL INFORMATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION APPLICANT: Kenneth W. Dobie APPLICANT: Kenneth W. Dobie TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION FILE REFERENCE: RTS-0678US CURRENT APPLICATION NUMBER: US/10/643,801 CURRENT FILING DATE: 2003-08-18

**MTMARR OF SEQ ID NOS: 230
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Publication No. US20050043524A1
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTG-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
ORGANISM: Artificial Sequence FEATURE:
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                                  TYPE: DNA
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; Pred. No. 1.4e+(
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Pred. No. 1.4e+0
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; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-643-801-73
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US-10-643-801-72/c
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Publication No. US20050043524A1
GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
                                                           Query Match
Best Local Similarity
Matches 20; Conserv
                                                                                                                                                                                                     NUMBER OF SEQ ID NOS: 230
SEQ ID NO 73
LENGTH: 20
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LENGTH: 20
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Best Local Similarity
Matches 20; Conserv
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Best Local S
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CURRENT FILING DATE: 2003-08-18
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: WOULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
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CURRENT FILING DATE: 2003-08-18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA ORGANISM: Artificial Sequence
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                           1584 GCTTGCCCTGTTCTAGGTGG 1603
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Pred. No. 1.4e+
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Pred. No.
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Pred. No.
                                                              Mismatches
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                                                                                           DB 1;
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RESULT 215 US-10-643-801-74/c · Sequence 74, Application US/10643801

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RESULT 217
US-10-643-801-76/c
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US-10-643-801-75/c
; Sequence 75, Application US/10643801
; Publication No. US20050043524A1
; GENERAL INFORMATION:
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-643-801-74
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-643-801-75
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                                                                  APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT PAPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 76
LENGTH: 20
EXECUTE: 20
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APPLICANT: Kenneth W. Dobie
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODILATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQ ID NO 75
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
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Best Local Similarity
Matches 20; Conserv
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Best Local Similarity
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
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                  ORGANISM: Artificial Sequence FEATURE:
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OTHER INFORMATION: Antisense Oligonucleotide
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100.0%; Pred. No. 1.4e+02;
ative 0; Mismatches 0;
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100.0%; Pr/
0;
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US-10-643-801-78/c
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Best Local Similarity
"---hes 20; Conserve
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CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 77
LENGTH: 20
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Publication No. US20050043524A1
GENERAL INFORMATION:
                                                                                                                                                                   SEQ ID NO 78
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
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Best Local Similarity
Matches 20; Conserv
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Best Local Similarity
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Publication No. US20050043524A1
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODILATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
UNMBER OF SEQ ID NOS: 230
                                                             Matches
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2
                                                                                                                                    FEATURE: OTHER INFORMATION: Antisense Oligonucleotide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
                1724 TAGATGATTCACTTTTTGCC 1743
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TAGATGATTCACTTTTTGCC 1
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                                                0.8%; Score 20; iilarity 100.0%; Pred. No. Conservative 0; Minner:
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ilarity 100.0%;
Conservative (
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100.0%; Pred. No.
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US-10-643-801-79/c ; Sequence 79, Application US/10643801 ; Publication No. US20050043524A1

RESULT 220

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US-10-643-801-81/c
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US-10-643-801-80/c
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                                                                                                                                                                                                                                                                     Sequence 81, Application US/10643801
Publication No. US20050043524A1
GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
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Publication No. US20050043524A1
GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
                                                                                                                                                       NUMBER OF SEQ ID NOS: 230
SEQ ID NO 81
LENGTH: 20
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Best Local Similarity
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LENGTH: 20
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SEQ ID NO 79
LENGTH: 20
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
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ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
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                             ORGANISM: Artificial Sequence FEATURE:
                                                                                                                 TYPE: DNA
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OTHER INFORMATION: Antisense Oligonucleotide
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RESULT 225 US-10-643-801-84/c

Sequence 84, Application US/10643801 Publication No. US20050043524A1 GENERAL INFORMATION:

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                                                                                                                                US-10-643-801-83
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APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 83
LENGTH: 20
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SEQ ID NO 82
LENGTH: 20
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Best Local Similarity
Matches 20; Conservat
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Best Local Similarity
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Publication No.
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TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                              ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                TYPE: DNA
                                                                                                                                                OTHER INFORMATION: Antisense Oligonucleotide
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                              1969 GGACTGGCCTCCAGGATGAG 1988
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20 GGACTGGCCTCCAGGATGAG
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to. US20050043524A1
                                                               Conservative
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100.0%; Pred. No.
                                                                               0.8%; Score 20;
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100.0%; Pred. No.
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1.4e+02;
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; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-643-801-86
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US-10-643-801-86/c
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-643-801-85
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US-10-643-801-85/c
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                                        APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 |
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 86
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
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LENGTH: 20
TYPE: DNA
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Best Local Similarity
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LENGTH: 20
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TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678ER: US/10/643,801
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
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100.0%; Pred. No.
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US-10-643-801-88/c
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                                                                                                                       ; OTHER INFORMATION: Antisense Oligonucleotide US-10-643-801-88
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                                                            Query Match
Best Local S
Matches 20
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SEQ ID NO 88
LENGTH: 20
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Publication No. US20050043524A1
GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NIMBER OF ECC. T. NOC. 2003-08-18
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CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 87
LENGTH: 20
TYPE: DNA
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Best Local Similarity
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Publication No. US20050043524A1
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Best Local Similarity
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TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILE REFERENCE: RTS-0678US
                                                                                                                                                                     TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OTHER INFORMATION: Antisense Oligonucleotide
                                                                                                                                                          FEATURE:
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                                                                         Local Similarity
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L00.0%; Pred. No. 1.4e+02;
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100.0%; Pred. No.
                                                           Score 20; DB 1;
; Pred. No. 1.4e+0
0; Mismatches
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US-10-643-801-89/c
; Sequence 89, Application US/10643801
; Publication No. US20050043524A1
; GENERAL INFORMATION:

APPLICANT: Sanjay Bhanot

RESULT 230

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                                    US-10-643-801-91
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US-10-643-801-90
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US-10-643-801-89
                                                                                                                                                          Sequence 91, Application US/10643801
Publication No. US20050043524A1
GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION UMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 90, Application US/10643801
Publication No. US20050043524A1
GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Sanjay Bhanot
APPLICANT: Kanneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION UNMERS: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQ ID NO 90
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                           SEQ ID NO 91
LENGTH: 20
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Best Local Similarity
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Best Local
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Query Match
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TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
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                                                                        ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA ORGANISM: Artificial Sequence
                                                     OTHER INFORMATION: Antisense Oligonucleotide
                                                                                                            TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FEATURE:
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100.0%; Pred. No.
 0.8%;
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Pred. No. 1.4e+
 Score 20;
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RESULT 235 US-10-643-801-94/c

Application US/10643801

US20050043524A1

Sequence 94, Application No. US20 GENERAL INFORMATION

APPLICANT: Sanjay APPLICANT: Kennet

Sanjay Bhanot Kenneth W. Dobie

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NUMBER OF SEQ ID NOS: 230

SEQ ID NO 92

LENGTH: 20

TYPE: DNA

ORGANISM: Artificial Sequence
FEATURE:
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                                                                                                                          ; OTHER INFORMATION: Antisense Oligonucleotide US-10-643-801-93
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; OTHER INFORMATION: Antisense Oligonucleotide US-10-643-801-92
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                                                                                                                                                                                        SEQ ID NO 93
LENGTH: 20
TYPE: DNA
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Publication No. US20050043524A1
GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
                                                            Matches
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Best Local
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Best Local Similarity
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Publication No.
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: WOUNLATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
                                                                                                                                                                                                                                                                                     APPLICANT: Kenneth W. Dobie TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION FILE REFERENCE: RTS-0678US
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                                                                                                                                                         FEATURE:
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                            2184 AGATTCTGGATGTGAGGAAG
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20 AGATTCTGGATGTGAGGAAG 1
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No. US20050043524A1
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                                                                           100.0%;
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100.0%; Pred. No.
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                                                                           0.8%; Score 20;
00.0%; Pred. No.
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US-10-643-801-95/c
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                                                                                                                                                                                                Sequence 96, Application US/10643801
Publication No. US20050043524A1
GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 95, Application US/10643801 Publication No. US20050043524A1 GENERAL INFORMATION:
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LENGTH: 20
                                                                                                                                                                NUMBER OF SEQ ID NOS:
SEQ ID NO 96
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LENGTH: 20
 Query Match
Best Local Similarity
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Best Local Similarity
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION UNMBER: US/10/643,801
CURRENT APPLICATION UNMBER: 2003-08-18
NUMBER OF SEQ ID NOS: 230
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18.
NUMBER OF SEQ ID NOS: 230
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                                                                     OTHER INFORMATION: Antisense Oligonucleotide
                                                                                                       TYPE: DNA ORGANISM: Artificial
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ORGANISM: Artificial Sequence
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100.0%; Pred. No. 1.4
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100.0%; Pred. No.
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Score 20;
Pred. No.
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Publication No. US20050043524A1
GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 97
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
FEATURE: Artificial Sequence
FEATURE:
              Sequence 144, Application US/10643801
Publication No. US20050043524A1
GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DI
                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQ ID NOS: 230
SEQ ID NO 143
LENGTH: 20
TYPE: DNA
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Best Local Similarity 100.0%;
Matches 20; Conservative
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Best Local Similarity
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/10/643,801 CURRENT FILING DATE: 2003-08-18
FILE REFERENCE: RTS-0678US
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                MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
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US-10-643-801-145
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Best Local Similarity
Matches 20; Conserv
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LENGTH: 20
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Best Local Similarity
Matches 20; Conserv
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LENGTH: 20
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NUMBER OF SEQ ID NOS:
SEQ ID NO 144
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                                                                                                                                 -10-643-801-146
                                                                                                                                                                                                                          CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
                                                                                                                                                                                                                                                                       APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-06788US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
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ORGANISM: H. sapiens
                                                                                                                                               FEATURE:
                                                                                                                                                           ORGANISM: H. sapiens
                                                                                                                                                                                TYPE: DNA
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                             654 ATCCAGCTGGTGAAGACACA 673
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100.0%; Pred. No.
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Pred. No.
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CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 149
LENGTH: 20
                                                                                                       Sequence 149, Application US/10643801
Publication No. US20050043524A1
GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 148
LENGTH: 20
TYPE: DNA
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SEQ ID NO 147
LENGTH: 20
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Best Local Similarity
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Kenneth W. Dobie TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION FILE REFERENCE: RTS-0678US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
                                                                                                 FILE REFERENCE: RTS-0678US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Sanjay Bhanot APPLICANT: Kenneth W. D
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                FEATURE:
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100.0%; Pred. No.
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RESULT 248
US-10-643-801-152
; Sequence 152, Application US/10643801
; Publication No. US20050043524A1
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US-10-643-801-151
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US-10-643-801-150
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Publication No. US20050043524A1
GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 150
LENGTH: 20
                                                                                                                                                                                                                                                                                                                   APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 151
SEG ID NO 151
SEG ID NO 151
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Publication No. US20050043524A1
GENERAL INFORMATION:
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ORGANISM: H. sapiens
FEATURE:
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ORGANISM: H. sapiens
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100.0%; Pred. No. 1.4e+02;
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100.0%; Pred. No. 1.4e+02;
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100.0%; Pred. No. 1.4e+02;
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US-10-643-801-153
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US-10-643-801-154
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                                                                     Sequence 154, Application US/10643801

Publication No. US20050043524A1

GENERAL INFORMATION:

APPLICANT: Sanjay Bhanot

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSPERASE 2 EXPRESSION

FILE REFERENCE: RTS-0678US

CURRENT APPLICATION NUMBER: US/10/643,801

CURRENT FILING DATE: 2003-08-18

NUMBER OF SEQ ID NOS: 230

SEQ ID NO 154

LENGTH: 20
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Best Local S
Matches 20
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APPLICANT: Kenneth W. Dobie
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 153
LENGTH: 20
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Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 20; Conservative 0; Mismatches 0;
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APPLICANT: Samjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION UMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
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               TYPE: DNA
ORGANISM: H. sapiens
FEATURE:
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ORGANISM: H. sapiens
FEATURE:
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ORGANISM: H. sapiens
FEATURE:
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100.0%; Pred. No. 1.4e+02;
ative 0; Mismatches 0;
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Query Match

Best Local Similarity

0.8%;

Score Pred.

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DB 1; Le 1.4e+02;

Length 20;

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US-10-643-801-157
(Sequence 157, Application US/10643801
(Sequence 157, Application US/20643524A1
(Publication No. US20050043524A1
(GENERAL INFORMATION:
(APPLICANT: Sanjay Bhanot
(APPLICANT: Kenneth W. Dobie
(TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
(FILE REFERENCE: RTS-0678US
(CURRENT APPLICATION NUMBER: US/10/643,801
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LENGTH: 20
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LENGTH: 20
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
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                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
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ORGANISM: H. sapiens
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RESULT 255
US-10-643-801-159
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                                                                                                                                        NUMBER OF SEQ ID NOS: 230
SEQ ID NO 159
LENGTH: 20
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Publication No. US20050043524A1
GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2
FILE REFERENCE: RTS-0678US
                                                                                                                                                                                                                                                                                   Sequence 159, Applic
Publication No. US20
GENERAL INFORMATION:
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SEQ ID NO 158
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NUMBER OF SEQ ID NOS:
SEQ ID NO-157
LENGTH: 20
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Best Local S
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
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CURRENT FILING DATE: 2003-08-18
                                                                                                                                   TYPE: DNA
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TYPE: DNA
ORGANISM: H. sapiens
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ORGANISM: H. Bapiens
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o. US20050043524A1
                            Conservative
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100.0%; Pred. No. 1.4e+02;
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US-10-643-801-161
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"hohes 20; Conserva
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US-10-643-801-160
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                                  APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 162
LENGTH: 20
                                                                                                                                                                                                                             Sequence 162, Application US/10643801 Publication No. US20050043524A1 GENERAL INFORMATION:
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Best Local Similarity
Matches 20; Conserv
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LENGTH: 20
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LENGTH: 20
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODILATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION UNMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
FILE REFERENCE: RTS-0678US
FILE REFERENCE: RTS-0678US
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
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ORGANISM: H. sapiens
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o. US20050043524A1
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100.0%; Pred. No. 1.
ative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1.4e+02;
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RESULT 261 US-10-643-801-165

Sequence 165, Application US/10643801 Publication No. US20050043524A1 GENERAL INFORMATION:

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FILE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION; FILE REFERENCE: RTS-0678US; CURRENT APPLICATION NUMBER: US/10/643,801; CURRENT FILING DATE: 2003-08-18; NUMBER OF SEQ ID NOS: 230
SEQ ID NO 164
LENGTH: 20
TYPE: DNA
ORGANTON
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US-10-643-801-164
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US-10-643-801-162
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US-10-643-801-163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 163
LENGTH: 20
TYPE: DNA
ORGANISM: H. sapiens
                                                       Query Match
Best Local Similarity
Matches 20; Conserv
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Best Local Similarity
Matches 20; Conserv
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Best Local Similarity 100.0%; Properties 20; Conservative 0;
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
                                                                                                                                       FEATURE:
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                    1120 GATGGGTCCAGAAGAAGTTC 1139
                                                                                                                                                                                                                                                                                                                                                                                                                                              1115 GGGCCGATGGGTCCAGAAGA 1134
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GATGGGTCCAGAAGAAGTTC 20
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5. US20050043524A1
                                                      0.8%;
ilarity 100.0%;
Conservative 0
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                                                                         Score 20; Pred. No.
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                                                            Mismatches
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                                                                          DB 1; L
. 1.4e+02;
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Sequence 167, Application US/10643801
Publication No. US20050043524A1
GENERAL INFORMATION:
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                                                                        US-10-643-801-167
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                                                                                                                                     APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 167
LENGTH: 20
 Query Match 0.8%; Sometime 100.0%; Best Local Similarity 100.0%; Matches 20; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
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Best Local :
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LENGTH: 20
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Publication No. US20050043524A1
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Best Local Similarity
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LENGTH: 20
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CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
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TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
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                                                                                                    TYPE: DNA
ORGANISM: H. sapiens
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ORGANISM: H. sapiens
FEATURE:
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                                                                                          FEATURE:
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 Score 20; DB; Pred. No. 1.4
0; Mismatches
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; Pred. No. 1.4e+
0; Mismatches
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DB 1; Le
. 1.4e+02;
ches 0;
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hes 0;
                                   Length 20;
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US-10-643-801-169
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                                                                                                                                                        RESULT 266
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                                                                                           Sequence 170, Application US/10643801 Publication No. US20050043524A1 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQ ID NOS: 230
SEQ ID NO 169
LENGTH: 20
TYPE: DNA
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SEQ ID NO 168
LENGTH: 20
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Best Local S
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                                                                                                                                                                                                                                                                  Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
                                     APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth M. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1202 CTGGGGGCTGGTGCCCTACT
                                                                                                                                                                                                                                                                                                                                                FEATURE:
                                                                                                                                                                                                                                                                                                                                                             ORGANISM: H. sapiens
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                                                                                                                                                                                                                                                                               Local Similarity
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o. US20050043524A1
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US-10-643-801-172
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US-10-643-801-171
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                                                                                                                                                                                      APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth M. Dobie
APPLICANT: Kenneth MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REPERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 172
LENGTH: 20
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SEQ ID NO 170
LENGTH: 20
                                                            Query Match
Best Local Similarity
Matches 20; Conserv
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Publication No. US20050043524A1
GENERAL INFORMATION:
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Best Local Similarity
Matches 20; Conserv
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LENGTH: 20
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Best Local Similarity
Matches 20; Conserv
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TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
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                                                                                                                                            TYPE: DNA
ORGANISM: H. sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
ORGANISM: H. sapiens
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ORGANISM: H. sapiens
FEATURE:
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                              1469
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                              GTCATGGGTGTCTGTGGGTT 1488
                                                             Conservative
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100.0%; Pred. No. 1.4e+02;
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                                                            0; Mismatches
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Pred. No.
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                                                            <u>,</u>
                                                                                        Length 20;
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                                                            Indels
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TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION; FILE REFERENCE: RTS-0678US; CURRENT APPLICATION NUMBER: US/10/643,801; CURRENT FILING DATE: 2003-08-18; NUMBER OF SEQ ID NO 182; SEQ ID NO 182
LENGTH: 20
TYPE: DNA
OPCONTO
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US-10-643-801-182
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US-10-643-801-174
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US-10-643-801-173
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Publication No. US20050043524A1

GENERAL INFORMATION:

APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US

CURRENT APPLICATION NUMBER: US/10/643,801

CURRENT FILING DATE: 2003-08-18

NUMBER OF SEQ ID NOS: 230

SEQ ID NO 174

LENGTH: 20
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Publication No. US20050043524A1

GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILLE REFERENCE RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 173
LENGTH: 20
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Matches 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 0.8%; Sconest Local Similarity 100.0%; P. Matches 20; Conservative 0;
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ORGANISM: H. sapiens
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ORGANISM: H. sapiens
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; Pred. No. 1.4e+02;
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FEATURE:

ORGANISM: H. sapiens

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US-10-643-801-185
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CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 183
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                 Publication No. US20050043524A1
GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
                 Sequence 185, Application US/10643801 Publication No. US20050043524A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                   SEQ ID NO 184
LENGTH: 20
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Publication No. US20050043524A1
GENERAL INFORMATION:
                                                                                                                                                                                                                 Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 184, Application US/10643801 Publication No. US20050043524A1
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Best Local :
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Best Local
                                                                                                                                                                                                     Matches
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APPLICANT: Sanjay Bhanot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Sanjay Bhanot APPLICANT: Kenneth W. D
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ORGANISM: H. sapiens
                                                                                                                                                                                                                                                                                    FEATURE:
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                                                                                                                                                                                                                                                                                                                     TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FEATURE:
                                                                                                                                                      222 GCTTCAGCCATGAAGACCCT 241
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100.0%; Pred. No. 1.4e+02;
. Mismatches 0;
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100.0%; Pred. No. 1.4e+02;
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; Pred. No. 1.4e+0
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NUMBER OF SEQ ID NOS: 230
SEQ ID NO 186
LENGTH: 20
TYPE: DNA
ORGANISM: H. sapiens
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US-10-643-801-187
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LENGTH: 20
TYPE: DNA
ORGANISM: H. sapiens
FEATURE:
                                                                     US-10-643-801-187
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                                                                                                                                                                                     Sequence 187, Application US/10643801
Publication No. US20050043524A1
GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
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                                                                                                                     NUMBER OF SEQ ID NOS: 230
SEQ ID NO 187
LENGTH: 20
TYPE: DNA
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Best Local Similarity
Matches 20; Conserv
   Best Local Similarity 100 Matches 20; Conservative
                                      Query Match
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CURRENT FILING DATE: 2003-08-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: WODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
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CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
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TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
                                                                                       ORGANISM: H. sapiens FEATURE:
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o. US20050043524A1
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100.0%; ---
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100.0%; Pred. No. 1.4e+02;
     0.8%; Score 20; DB
100.0%; Pred. No. 1.
ive 0; Mismatches
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100.0%; Pred. No.
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                                  DB 1;
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      1.4e+02;
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RESULT 279
US-10-643-801-190
US-10-643-801-190
; Sequence 190, Application US/10643801
; Publication No. US20050043524A1
; GENERAL INFORMATION:
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US-10-643-801-188
; Sequence 188, Application US/10643801
; Publication No. US20050043524A1
; GENERAL INFORMATION:
    APPLICANT: Sanjay Bhanot
    APPLICANT: Kenneth W. Dobie
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
; FILE REFERENCE: RTS-0678US
; CURRENT APPLICATION NUMBER: US/10/643,801
; CURRENT APPLICATION BATE: 2003-08-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-643-801-189

Sequence 189, Application US/10643801

Publication No. US20050043524A1

GENERAL INFORMATION:

APPLICANT: Sanjay Bhanot

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION

FILE REFERENCE: RTS-0678US

CURRENT APPLICATION NUMBER: US/10/643,801

CURRENT ETLING DATE: 2003-08-18
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LENGTH: 20
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APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
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- 've 0; Mismatches
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US-10-643-801-192
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US-10-643-801-191
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SEQ ID NO 192
LENGTH: 20
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Publication No. US20050043524A1
GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
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CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 191
LENGTH: 20
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Publication No. US20050043524A1
GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
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Best Local Similarity 100.0%;
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ORGANISM: H. sapiens
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ORGANISM: H. sapiens
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ORGANISM: H. sapiens
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Best Local Similarity
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                                                                     CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 195
LENGTH: 20
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Best Local S
Matches 20
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Publication No. US20050043524A1
GENERAL INFORMATION:
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LENGTH: 20
TYPE: DNA
ORGANISM: H. sapiens
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LENGTH: 20
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OP DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER: OF SEQ ID NOS: 230
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
RUMBER OF SEQ ID NOS: 230
-10-643-801-195
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2
FILE REFERENCE: RTS-0678US
                          TYPE: DNA
ORGANISM: H. sapiens
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20; Conserv
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llarity 100.0%; Pred. No. 1.4e+02;
Conservative 0; Mismatches 0;
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100.0%; Pred. No. 1.4e+02;
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US-10-643-801-198 RESULT 287

Sequence 198, Application US/: Publication No. US20050043524 GENERAL INFORMATION: APPLICANT: Sanjay Bhanot APPLICANT: Kenneth W. Dobie

Application US/10643801 o. US20050043524A1

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US-10-643-801-196
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                                                                                                                                                             NUMBER OF SEQ ID NOS: 230
SEQ ID NO 197
LENGTH: 20
TYPE: DNA
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Best Local Similarity
Matches 20; Conserv
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Best Local Similarity 100.0%;
Matches 20; Conservative (
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SEQ ID NO 196
LENGTH: 20
TYPE: DNA
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Best Local Similarity
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GENERAL INFORMATION:
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CCURRENT FILING DATE: 2003-08-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Kenneth W. Dobie TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION FILE REFERENCE: RTS-0678US CURRENT APPLICATION NUMBER: US/10/643,801 CURRENT FILING DATE: 2003-08-18
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CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 198
LENGTH: 20
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Matches
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LENGTH: 20

TYPE
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                                                                                                                                                                SEQ ID NO 200
LENGTH: 20
                                  Matches
                                                Query Match
Best Local Similarity
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
                                                                                                                                                                                                                                                  APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: H. sapiens
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                                                                                                                                                  TYPE: DNA
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ORGANISM: H. sapiens
                                                                                                                 FEATURE:
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les 20; Conservative 0;
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1 ACGCTCGTCTAGTCCTGAAA 20
 1969 GGACTGGCCTCCAGGATGAG 1988
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                                  Conservative
                                                0.8%; Score 20;
100.0%; Pred. No.
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0; Mismatches
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                                  Mismatches
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                                                DB 1; Lo
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hes 0;
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US-10-643-801-203
; Sequence 203, Application US/10643801
; Publication No. US20050043524A1
; GENERAL INFORMATION:
; APPLICANT: Kenneth W. Dobie
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACY
; FILE REFERENCE: RTS-0678US
; CURRENT APPLICATION NUMBER: US/10/643,801
; CURRENT FILING DATE: 2003-08-18
; NUMBER OF SEQ ID NOS: 230
; SEQ ID NO 203
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CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 202
LENGTH: 20
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CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 201
LENGTH: 20
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publication No. US20050043524A1
GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 202, Applic Publication No. US20 GENERAL INFORMATION:
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Best Local Similarity
Matches 20; Conserv
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Best Local Similarity
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILE REFERENCE: RTS-0678US
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ORGANISM: H. sapiens
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ORGANISM: H. sapiens
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                                                                                                                                                                                                                                                                                                           1989 GATGGGGGTGGCAATGACAC 2008
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o. US20050043524A1
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100.0%; Pred. No. 1.
ive 0; Mismatches
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100.0%; Pred. No. 1.
ive 0; Mismatches
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                                                                                             ACYLTRANSFERASE 2
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RESULT 295
US-10-643-801-206
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US-10-643-801-204
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APPLICANT: Kenneth W. Dobie
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0679US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 205
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 205, Application US/10643801 Publication No. US20050043524A1 GENERAL INFORMATION:
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Best Local Similarity 100.0%;
Matches 20; Conservative C
                                                                                                                                              Query Match
Best Local Similarity
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LENGTH: 20
TYPE: DNA
ORGANISM: H. sapiens
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Best Local Similarity
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
                                                                                                                                                                                                             TYPE: DNA
ORGANISM: H. sapiens
FEATURE:
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o. US20050043524A1
                                                                                                                               Conservative
                                                                                                                                             100.0%;
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100.0%; Pred. No.
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100.0%; Pred. No. 1.4e+0
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100.0%; Pred. No. 1.4
ive 0; Mismatches
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thes 0;
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                                                                                                                               0; Indels
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                                                                                                                                                               Length 20;
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US-10-643-801-207
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 207, Application US/10643801
Publication No. US20050043524A1
GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NO 207.
LENGTH: 20
TYPE: DNA
ORGANISM: H. sapiens
FEATURE:
FEATURE:
FEATURE:
CONTRESSION OF SEQ ID NO 207.
LENGTH: 20
TYPE: DNA
ORGANISM: H. sapiens
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GENERAL, INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION UMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 206
LENGTH: 20
TYPE: DNA
                                                                                                                                                                                                                                  Sequence 208, Applic Publication No. US20 GENERAL INFORMATION
                                                 NUMBER OF SEQ ID NOS:
SEQ ID NO 208
LENGTH: 20
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Best Local Similarity
Matches 20; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity Matches 20; Conserv
                                                                                               APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION; MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
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TYPE: DNA
ORGANISM: H. sapiens
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                                                                                                                                                                                                                                                                        Application US/10643801
                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.8%; Score 20; DB ilarity 100.0%; Pred. No. 1.4 Conservative 0; Mismatches
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                                                                                                                                                                                                                                                       US20050043524A1
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100.0%; Pred. No. 1.4
vative 0; Mismatches
                                                                                             2003-08-18
230
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1.4e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1.4e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 20;
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**JS-10-643-801-208** 

FEATURE:

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RESULT 300
US-10-643-801-211
; Sequence 211, Application US/10643801
; Publication No. US20050043524A1
; GENERAL INFORMATION:
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US-10-643-801-210
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US-10-643-801-209
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LENGTH: 20
TYPE: DNA
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Publication No. US20050043524A1
GENERAL INFORMATION:
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Best Local Similarity
Matches 20; Conserv
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Best Local Similarity
Matches 20; Conserv
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LENGTH: 20
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Best Local
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MOULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
FULE REFERENCE: RTS-0678US
FULE APPLICATION NUMBER: US/10/643,801
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
                APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
                                                                                                                                                                                                                                                                                                                                                     ORGANISM: H. sapiens
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100.0%; Pred. No.
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100.0%; Pred. No.
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Pred. No.
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                                                                                                                                                                                                                               GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION UMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
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Best Local Similarity 100.0%; Pr
                                              Query Match
Best Local Similarity
Matches 20; Conserv
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SEQ ID NO 213
LENGTH: 20
TYPE: DNA
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SEQ ID NO 212
LENGTH: 20
TYPE: DNA
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SEQ ID NO 211
LENGTH: 20
TYPE: DNA
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Best Local Similarity
Matches 20; Conserv
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CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
                                                                                                                                   FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FEATURE:
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                                                                                                                                                ORGANISM: H. sapiens
2367 TTGCACCATGTCAGACTTTT 2386
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                                                   Conservative
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                                               0.8%; Score 20;
100.0%; Pred. No.
ative 0; Mismatc
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; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
                                                   Mismatches
                                                                DB 1; L. 1.4e+02;
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                                                                                Length 20;
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                                                    Indels
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US-10-719-900-885846
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; ORGANISM: Rattus norvegicus
US-10-719-956-301629
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US-10-719-956-301629/c
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                                                                                                                                                                                                                            RESULT 305
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Best Local S
Matches 21
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                                                                                                                                         Sequence 52073, Application US/10809189 Publication No. US20050048531A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 865846
LENGTH: 25
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Publication No. US20040146910A1
GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 3527.1
CURRENT APPLICATION NUMBER: US/10/719,956
CURRENT APPLICATION NUMBER: 60/427,836
PRIOR APPLICATION NUMBER: 60/427,836
PRIOR FILING DATE: 2002 11 20
PRIOR FILING DATE: 2002 11 20
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SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 301629
LENGTH: 25
          APPLICANT: David Mack
APPLICANT: David Lockhart
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REPRENCE: 3101.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3528.1
CURRENT APPLICATION NUMBER: US/10/719,900
CURRENT FILING DATE: 2003-11-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: 60/427,808 PRIOR FILING DATE: 2002 11 20
FILE REFERENCE: 3101.1
CURRENT APPLICATION NUMBER: US/10/809,189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA
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                                                                                                                                                                                                                                                                                                                       742 TCTGCAACTTCAGCACAGAGGCCA 765
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                                                                                                                                                                                                                                                                                       24 TCTGCCACCTCAGCAGAGAGGCCA 1
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21; Conservative
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Pred. No. 2.1e+02;
0; Mismatches 3;
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Sequence 226834, Application US/10719956

Publication No. US20040146910A1

GENERAL INFORMATION:

APPLICANT: Xue Mei Zhou

ITITLE OF INVENTION: Methods of Genetic Analysis of Rat

FILE REFERENCE: 3527.1

CURRENT APPLICATION NUMBER: US/10/719,956

CURRENT FILING DATE: 2003-11-20

PRIOR APPLICATION NUMBER: 60/427,836

PRIOR APPLICATION NUMBER: 60/427,836

PRIOR FILING DATE: 2002 11 20

NUMBER OF SEG ID NOS: 699466

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEG ID NO 226834
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PRIOR APPLICATION NUMBER: US/09/396,196;
PRIOR FILING DATE: 1999-09-15;
PRIOR FILING DATE: 1998-09-17;
NUMBER OF SEQ ID NOS: 127806;
SOFTWARE: FastSEQ for Windows Version 4.0;
SEQ ID NO 52073;
LENGTH: 25
                                                             ; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-719-956-226834
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                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-719-956-226834
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; ORGANISM: Probe Sequence
US-10-956-157-170437
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US-10-956-157-170437
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CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PatentIn version 3.2
SEQ ID NO 170437
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 170437, Application US/10956157 Publication No. US20050118625A1 GENERAL INFORMATION:
Query Match
Best Local Similarity
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Best Local Similarity 87.5%;
Matches 21; Conservative
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Best Local Similarity
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APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITI
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
                                                                                                                         LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 25
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0.8%;
87.5%;
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Pred. No. 2.1e+02
0; Mismatches
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  Score 19.2; DB 1;
Pred. No. 2.1e+02;
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Pred. No. 2.1e+02
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                                                                                                             US-10-719-956-30682
                                                                                                                                  RESULT 310
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US-10-719-900-903590
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US-10-719-900-194173
Sequence 30682, Application US/10719956
Publication No. US20040146910A1
GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 3527.1
                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 903590, Application US/10719900
Publication No. US20050026164A1
GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528.1
CURRENT APPLICATION NUMBER: US/10/719,900
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,808
PRIOR APPLICATION NUMBER: 60/427,808
PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 982914
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Best Local
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Best Local Similarity
Matches 20; Conserv
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APPLICANT: Xue Mei Zhou

TITLE OF INVENTION: Methods of Genetic Analysis of Mouse

FILE REFERENCE: 3528.1

CURRENT APPLICATION NUMBER: US/10/719,900

CURRENT FILING DATE: 2003-11-20

PRIOR APPLICATION NUMBER: 60/427,808

PRIOR FILING DATE: 2002 11 20

NUMBER OF SEQ ID NOS: 982914

NUMBER OF SEQ 1D NOS: 982914
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                                                                                                                                                                                                                          544 TCTACTTCACTTGGCTGGTGTT 565
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Pred. No. 2.2e+02;
0; Mismatches 2;
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                                                                                                                                                                                                                                                                                 Score 18.8;
Pred. No. 2.
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:.2e+02;
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RESULT 312
US-10-643-801-108/c
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; ORGANISM: Rattus norvegicus
US-10-719-956-451896
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; LENGTH: 25
; TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 3527.1
CURRENT APPLICATION NUMBER: US/10/719,956
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,836
PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator
SEQ ID NO 451896
                                                                                                                                                             NUMBER OF SEQ ID NOS: 230
SEQ ID NO 108
LENGTH: 20
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Best Local Similarity 90.2
20; Conservative
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APPLICANT: Xue Mei Zhou
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Best Local Similarity 90.9%;
Matches 20; Conservative
 Best Local Similarity Matches 19; Conserv
                                    Query Match
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                                                                                                                                                                                                                 APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION NUMBER: US/10/719,956
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,836
PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
                                                                                            OTHER INFORMATION:
                                                                                                             ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                  TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Rattus norvegicus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 25
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0.8%;
ilarity 95.0%;
Conservative
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Score 18.4; DB 1;
Pred. No. 1.9e+02;
0; Mismatches 1;
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Pred. No. 2.2e+02;
0; Mismatches 2
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Pred. No. 2.2e+02;
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                                    Length 20;
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US-10-643-801-110/c
                                                                                                                             US-10-643-801-117/c
                                                                                                                                                  RESULT 315
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                                                                   Sequence 117, Application US/10643801 Publication No. US20050043524A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 115, Application US/10643801

Publication No. US20050043524A1

GENERAL INFORMATION:

APPLICANT: Sanjay Bhanot

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRÉSSION

FILE REFERENCE: RTS-0678US

CURRENT APPLICATION UNMBER: US/10/643,801

CURRENT FILING DATE: 2003-08-18

NUMBER OF SEQ ID NOS: 230
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Publication No. US20050043524A1
GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL.
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
                                                                                                                                                                                                                                                                                            Query Match 0.8%;
Best Local Similarity 95.0%;
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LENGTH: 20
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Best Local (
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APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION
FILE REFERENCE: RTS-0678US
                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                           FEATURE:
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                                                                                                                                                                                                                                        1171 TCCATGGTCGAGGCCTCTTC 1190
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19; Conserv
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Pred. No. 1.9e+02;
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Pred. No. 1.9e+02;
                                                                                                                                                                                                                                                                           Mismatches
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                 DIACYLGLYCEROL
                   ACYLTRANSFERASE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ACYLTRANSFERASE 2 EXPRESSION
                                                                                                                                                                                                                                                                                                               Length 20;
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                                                                                                                                                                                                                                                                           Indels
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US-10-643-801-217
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US-10-643-801-119/c
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                                                               US-10-643-801-217
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                                                                                                                                                               Sequence 217, Application US/10643801
Publication No. US20050043524A1
GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
                                                                                                       NUMBER OF SEQ ID NOS:
SEQ ID NO 217
LENGTH: 20
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER.OF+SEQ ID NOS: 230
SEQ ID NO 117
LENGTH: 20
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SEQ ID NO 119
LENGTH: 20
TYPE: DNA
 Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 119, Appublication No.
                 Best
                              Query Match
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Best Local S
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CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
                                                                               ORGANISM: M. musculus FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: Antisense Oligonucleotide
              Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                        1385 GGAGGTGAACTGAGCCAGCC 1404
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 19;
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Similarity 95.0%;
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lo. US20050043524A1
Conservative
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              Score 18.4; DB 1;
Pred. No. 1.9e+02;
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Pred. No. 1.9e+02;
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Pred. No. 1
 Mismatches
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 Indels
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APPLICANT: Farese, Robert V Jr
TITLE OF INVENTION: Methods and compositions for modulating
TITLE OF INVENTION: Sebaceous glands
FILE REFERENCE: UCAL-105CIP4

CURRENT FILING DATE: 2002-10-21
CURRENT FILING DATE: 2002-10-21
PRIOR APPLICATION NUMBER: 10/040,315
PRIOR FILING DATE: 2001-10-29
PRIOR FILING DATE: 2001-10-29
PRIOR FILING DATE: 2001-10-29
PRIOR APPLICATION NUMBER: 09/339,472
PRIOR TILING DATE: 1999-06-23
PRIOR APPLICATION NUMBER: 60/107,771
PRIOR APPLICATION NUMBER: 60/107,771
PRIOR APPLICATION NUMBER: 60/107,771
PRIOR PILING DATE: 1998-01-28
PRIOR FILING DATE: 1998-08-28
PRIOR APPLICATION NUMBER: 09/103,754
PRIOR APPLICATION NUMBER: 09/103,754
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                                                                                                                                                                ; OTHER INFORMATION: Antisense Oligonucleotide US-10-643-801-141
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US-10-643-801-141/c
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                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 141
LENGTH: 20
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Publication No. US20050043524A1
GENERAL INFORMATION:
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NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 24, Application US/10278733 Publication No. US20030100480A1 GENERAL INFORMATION:
                                                                                 Matches
                                                                                                Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OP INVENTION; MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Smith, Steven
APPLICANT: Chen, Hubert
APPLICANT: Farese, Robe
                                                                                                                                                                                                         TYPE: DNA ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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                   2372 CCATGTCAGACTTTTGTAT 2390
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19 CCATGTCACACTTTTGTAT 1
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18; Conserv
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ilarity 94.7%;
Conservative
                                                                              Conservative
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Pred. No. 2.2e
0; Mismatches
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Pred. No. 2.3e+02;
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US-10-806-782-20/c
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                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION NUMBER: US/10/806,782
CURRENT FILING DATE: 2004-03-23
PRIOR APPLICATION UNMEER: US/09/587,945
PRIOR FILING DATE: 2000-06-06
PRIOR APPLICATION NUMBER: US 60/190,692
PRIOR FILING DATE: 2000-03-20
PRIOR APPLICATION NUMBER: US 09/085,380
PRIOR APPLICATION NUMBER: US 09/085,380
PRIOR FILING DATE: 1998-05-26
PRIOR APPLICATION NUMBER: SE 9701963-2
PRIOR FILING DATE: 1997-05-26
NUMBER OF SEQ ID NOS: 26
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SEQ ID NO 11
LENGTH: 22
TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                         SOFTWARE: PatentIn Ver.
SEQ ID NO 20
LENGTH: 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 20, Application US/10806782 Publication No. US20040166061A1 GENERAL INFORMATION:
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Best Local Similarity
Matches 19; Conserv
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                                                                                             Query Match 0.7%; Score 17.2; DB 1; Length 22; Best Local Similarity 86.4%; Pred. No. 2.6e+02; Matches 19; Conservative 0; Mismatches 3; Indels
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APPLICANT: Rubin, Edward
APPLICANT: Rubin, Edward
APPLICANT: Pennacchio, Len
TITLE OF INVENTION: A novel apolipoprotein gene involved in lipid metabolism
FILE REFERENCE: IB-1709
FILE REFERENCE: IB-1709
CURRENT APPLICATION NUMBER: US/10/229,834A
CURRENT FILING DATE: 2002-08-27
PRIOR APPLICATION NUMBER: US 60/318,219
PRIOR FILING DATE: 2001-08-27
NUMBER OF SEQ ID NOS: 48
COUNTAINED SEG ID NOS: 48
COUNTAINED SEG ID NOS: 48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Enerback, Sven
APPLICANT: Carlsson, Peter
TITLE OF INVENTION: Animal Model
FILE REFERENCE: 10806-117A
                                                                                                                                                                                                                                                                TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                      FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1173 CATGGTCGAGGCCTCTTCTCCT 1194
                         239 CCTCATAGCCGCCTACTCCGGG 260
22
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RESULT 322

US-10-349-143-11680

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RESULT 324
US-10-174-175-15/c
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Best Local Similarity
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LENGTH: 21
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                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/09/733,294A
CURRENT FILING DATE: 2000-12-07
PRIOR APPLICATION NUMBER: 09/572,423
PRIOR FILING DATE: 2000-05-16
NUMBER OF SEQ ID NOS: 108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Blumenfeld, Marta
APPLICANT: Chumakov, Ilya
TITLE OP INVENTION: Biallelic markers for use in constructing a high density...
FILE REFERENCE: GENSET.020CP1
CURRENT APPLICATION NUMBER: US/10/349,143
CURRENT FILING DATE: 2003-01-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Edward V. Wancewicz
TITLE OF INVENTION: ANTISENSE MODULATION OF TERT EXPRESSION
FILE REFERENCE: ISPH-0527
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
PRIOR FILING DATE: EARLIER FILING DATE: 199-04-21
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
PRIOR PILING DATE: EARLIER APPLICATION NUMBER: US 60/082,614
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
NUMBER OF SEQ ID NOS: 11796
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Brett P. Monia
APPLICANT: William Gaarde
APPLICANT: Susan M. Freier
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: US/09/422,978 PRIOR FILING DATE: 1999-10-20
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APPLICANT: Blumen
APPLICANT: Chumak
                                                                                                                                                                                                                                                                                                      TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY: primer_bind LOCATION: 1..21
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hes 17; Conserv
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                                                                                                                                139 GCGCGAAGCCCTGGCCCCGG 158
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                                                                                                                                                                           Conservative
                                                                                                                                                                                             90.0%;
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Pred. No. 2.6e+02
                                                                                                                                                                                             Score 16.8; DB 1
Pred. No. 2.5e+02
                                                                                                                                                                             Mismatches
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                                                                                                                                                                                                                    DB 1;
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NUMBER OF SEQ ID NOS: 73

SEQ ID NO 15
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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US-10-818-939-27
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US-10-174-175-52
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LENGTH: 20
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APPLICANT: James Karras
APPLICANT: Sue Freier
APPLICANT: Kenneth W.
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                Best
                                APPLICANT: Peters, Thomas
APPLICANT: Grosse, Johannes
APPLICANT: Schluter, Volker
APPLICANT: Schluter, Velker
APPLICANT: Schluter, Heike
APPLICANT: Marquardt, Andreas
APPLICANT: Marquardt, Andreas
TITLE OF INVENTION: Spinster-like protein genes, expression
TITLE OF INVENTION: products, non-human animal model: uses in human metabolic
TITLE OF INVENTION: disorders
FILE REFERENCE: 14851-005001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF STAT1 EXPRESSION
FILE REFERENCE: PTS-0032
CURRENT APPLICATION NUMBER: US/10/174,175
CURRENT FILING DATE: 2002-06-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: James Karras
APPLICANT: Sue Freier
APPLICANT: Kenneth W. Dobie
TITLE OP INVENTION: ANTISENSE MODULATION OF STAT1 EXPRESSION
FILE REPERENCE: PTS-0032
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/10/174,175
CURRENT FILING DATE: 2002-06-17
CURRENT APPLICATION NUMBER: US/10/818,939
CURRENT FILING DATE: 2004-04-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
ORGANISM: H. sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                              Local
                                                                                                                                                                                                                                                                                                                                                                                      588 GGTGGCAGGAGGTCACAGTG
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Similarity 90.0%;
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Pred. No. 2.5e
0; Mismatches
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Pred. No. 2.5e+02;
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RESULT 328
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-643-801-106
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US-10-643-801-106/c
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                                               APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 109
LENGTH: 20
                                                                                                                                                                                                                       Sequence 109, Application US/10643801 Publication No. US20050043524A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQ ID NO 106
LENGTH: 20
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 27
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION NUMBER: US 60/550,800
PRIOR FILING DATE: 2004-03-05
PRIOR APPLICATION NUMBER: US 60/538,831
PRIOR FILING DATE: 2004-01-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: US 60/460,310 PRIOR FILING DATE: 2003-04-04
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: US 60/550,192
                                 TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA ORGANISM: Artificial Sequence
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               ORGANISM: Artificial Sequence
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FEATURE:
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18; Conservative
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Pred. No. 2.5e+02;
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Pred. No. 2.5e+02;
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US-10-643-801-114/c
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US-10-643-801-113/c
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                                                                                                                           US-10-643-801-114
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                                                   Query Match
Best Local Similarity
Matches 18; Conserv
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SEQ ID NO 114
LENGTH: 20
TYPE: DNA
                                                                                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION UMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
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SEQ ID NO 113
LENGTH: 20
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Publication No. US20050043524A1
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
                                                                                                                                            OTHER INFORMATION: Antisense Oligonucleotide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                            FEATURE:
                                                                                                                                                                        ORGANISM: Artificial Sequence
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Local Similarity 90.0%;
les 18; Conservativo
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                                                                           Score 16.8; DB 1;
Pred. No. 2.5e+02;
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Pred. No. 2.5e+02;
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Pred. No. 2.
                                                              Mismatches
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.5e+02;
                                                                                          DB 1;
                                                                                          Length 20;
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                                                             Gaps
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RESULT 331 US-10-643-801-122/c ; Sequence 122, Application US/10643801

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                                                      NUMBER OF SEQ ID NOS:
SEQ ID NO 216
LENGTH: 20
                                                                                                                                                                                                                          Sequence 216, Application US/10643801 Publication No. US20050043524A1 GENERAL INFORMATION:
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LENGTH: 20
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Publication No. US20050043524A1
GENERAL INFORMATION:
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Best Local Similarity
Matches 18; Conserv
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SEQ ID NO 122
LENGTH: 20
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Matches 18; Conserv
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                                                                                                            APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INTENTION; MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Kenneth W. Dobie TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION FILE REFERENCE: RTS-0678US CURRENT APPLICATION NUMBER: US/10/643,801 CURRENT FILING DATE: 2003-08-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQ ID NOS: 230
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
ORGANISM: M. musculus
FEATURE:
                ORGANISM: M. musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                       610 TCCGAAACTGGGCTGTGTGG 629
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Pred. No. 2.
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Pred. No. 2.5e+02;
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TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION FILE REFERENCE: RTS-0678US
CURRENT APPLICATION UNMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
SEQ ID NO 220
LENGTH: 20
TYPE: DATA
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Patent No. US20020018763A1
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Best Local Similarity
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         CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/982

FILING DATE: 25-NOV-1992

PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: M. musculus FEATURE:
                                                                                                                                                                  COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/005,243
                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole,
STREET: 6300 Sears Tower, 233
                                                                                          PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/4.
FILING DATE: 24-MAY-1995
                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Bosselman, Robert
APPLICANT: Suggs, Sidney V.
APPLICANT: Martin, Francis H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: Stem Cell Factor NUMBER OF SEQUENCES: 104
                                                                                                                                                          FILING DATE:
                                                                                                                                                                                                                                                                                                                CITY: Chicago
STATE: Illinois
                                                                                                                                         CLASSIFICATION:
                                                                                                                                                                                                                                                                                 COUNTRY: United States of America ZIP: 60606-6402
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07/589,701
                                            07/982,255
                                                                                                          08/449,653
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Pred. No. 2
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Pred. No. 2
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South Wacker Drive
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PRIOR APPLICATION DATA:

APPLICATION NUMBER: FILING DATE: 01-OCT-1990

24-AUG-1990

07/573,616

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Best Local Similarity
Matches 18; Conserv
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/422,383
FILING DATE: 16-OCT-1999
ATTORNEY/AGENT INFORMATION:
NAME: Clough, David W.
REGISTRATION NUMBER: 36,107
REFERENCE/DOCKET NUMBER: 01017/34465
TELECOMMUNICATION INFORMATION:
TELECPHONE: 312/474-6300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION: APPLICANT: Zsebo,
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
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LENGTH: 21 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Bosselman, Robert A.
APPLICANT: Suggs, Sidney V.
APPLICANT: Martin, Francis H.
TITLE OF INVENTION: Stem Cell Factor: Composition Claims
NUMBER OF SEQUENCES: 104
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APPLICATION NUMBER: 09/0
FILING DATE: 12-JAN-1998
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PRIOR APPLICATION NUMBER: 07/537,198
                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/449,653
FILING DATE: 24-MAY-1995
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TELEFAX: 25-3856
                                                                                                                                                                                       APPLICATION NUMBER: FILING DATE: CLASSIFICATION:
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                                   CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                              CITY: Chicago
STATE: Illinois
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IOR APPLICATION DATA: APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                            ZIP: 60606-6402
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07/982,255
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Pred. No. 2.7e+02;
0; Mismatches
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                                                                                                                        ; NAME/KEY: misc_feature
; OTHER INFORMATION: Y. pestis-specific primer
US-10-113-916-13
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US-10-113-916-13
; Sequence 13, Application US/10113916
; Publication No. US20030186251A1
; GENERAL INFORMATION:
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Best Local Similarity
Matches 18; Conserva
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US-09-224-683-16
                                                                                                                                                                                                   SOFTWARE: PatentIn version 3.1
SEQ ID NO 13
LENGTH: 21
TYPE: DNA
                                                             Matches
                                                                          Query Match
Best Local Similarity
                                                                                                                                                                                                                                                             APPLICANT: Brookhaven Science Associates
APPLICANT: Dunn, John J
TITLE OF INVENTION: Genome Sequence Tags
FILE REFERENCE: BSA 02-03
CURRENT APPLICATION NUMBER: US/10/113,916
CURRENT FILING DATE: 2002-04-01
NUMBER OF SEQ ID NOS: 61
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INFORMATION FOR SEQ ID NO:
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PRIOR APPLICATION DATA:
APPLICATION UNMBER: 07/422,38
FILING DATE: 16-OCT-1989
ATTORNEY/AGENT INFORMATION:
NAME: Clough, David W.
REGISTRATION NUMBER: 36,107
                                                                                                                                                                         FEATURE:
                                                                                                                                                                                      ORGANISM: Yersinia pestis
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 24-AUG-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/5:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: ....STRANDEDNESS: SI
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                     487 CCTGCAGTGCCATCCTCATG 506
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CATGCAGTGCCATCCTCACG 20
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Conservative
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                                                          Score 16.8; DB 1;
Pred. No. 2.7e+02;
0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 16.8; DB 1;
Pred. No. 2.7e+02;
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                                                                                       Length 21;
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                                                            Gaps
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RESULT 338 US-10-175-608-16 ; Sequence 16, Application US/10175608

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RESULT 339
US-10-791-074-13
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Best Local Similarity 90.0%;
Matches 18; Conservative
Sequence 13, Application US/10791074
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                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOPTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/175,608
PILING DATE: 16-Oct-2002
CLASSIFICATION: CUNKNOWN>
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                         2402 ATARATGARAGTGAGAATCC 2421
                                                                                                                                                                                                                                                                                                            SEQUENCE DESCRIPTION: SEQ ID NO: 16:
                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REFERENCE/DOCKET NUMBER: 01017/35199
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES: 104
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Zsebo, Krisztina M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: Stem Cell Factor
                                                                                                                N
                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 21 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: 09/635,249
FILING DATE: 07-AUG-2000
APPLICATION NUMBER: 09/486,546
FILING DATE: 24-MAY-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun STREET: 6300 Sears Tower, 233 South Wacker Drive CITY: Chicago
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Clough, David w. REGISTRATION NUMBER: 36,107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STATE: Illinois
                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: 07/422,383 FILING DATE: 16-OCT-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: 07/537,198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 10-APR-1991
APPLICATION NUMBER: 09/589,701
FILING DATE: 10-OCT-1991
APPLICATION NUMBER: 07/573,616
FILING DATE: 24-AUG-1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: 07/982,255
FILING DATE: 25-NOV-1992
APPLICATION NUMBER: 07/684,535
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: 08/172,329 FILING DATE: 21-DEC-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY: United States of America
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: 312/474-0448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 11-JUN-1990
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Suggs, Sidney V.
                                                                                                                                                                                                                                                                                                                                                  linear
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Pred. No. 2.
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US-10-620-642-16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 16, Applicati
Publication No. US2005
GENERAL INFORMATION:
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LENGTH: 21
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Best Local Similarity
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PRIOR FILING DATE: 2002-04-01
NUMBER OF SEQ ID NOS: 95
SOFTWARE: Patentin Ver. 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: GENOME SEQUENCE TAGS FILE REFERENCE: BSA 02-16 CURRENT APPLICATION NUMBER: US/10/791,074 CURRENT FILING DATE: 2004-03-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: LELIE, DANIEL VANDER APPLICANT: KRAUSE, MAUREEN K. APPLICANT: MCCORKLE, SEAN R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: DUNN, JOHN J
APPLICANT: LELIE, DANII
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURE:
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                                PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/10/175,608
FILING DATE: 16-Oct-2002
APPLICATION NUMBER: 09/635,249
FILING DATE: 07-AUG-2000
APPLICATION NUMBER: 09/486,546
FILING DATE: 24-MAY-1995
APPLICATION NUMBER: 08/172,329
FILING DATE: 21-DEC-1993
APPLICATION NUMBER: 07/982,255
FILING DATE: 25-NOV-1992
APPLICATION NUMBER: 07/684,535
FILING DATE: 10-APR-1991
APPLICATION NUMBER: 07/684,535
FILING DATE: 10-APR-1991
                                                                                                                                                                                                                                                                                                                              COMPOTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/620,642
FILING DATE: 16-Jul-2003
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Zsebo, Krisztina M.
Bosselman, Robert A.
Suggs, Sidney V.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: Stem Cell Factor NUMBER OF SEQUENCES: 104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      487 CCTGCAGTGCCATCCTCATG 506
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STATE: Illinois
COUNTRY: United States of America
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ZIP: 60606-6402
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CITY: Chicago
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: Marshall, O'Toc
STREET: 6300 Sears Tower,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Application US/10620642
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US20050080250A1
                         CATION NUMBER: 09/589,701
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Martin, Francis H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.7%; Score 16.8; 1
90.0%; Pred. No. 2.70
7ative 0; Mismatches
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lower, 233
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South Wacker Drive
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Length 21; Indels

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Gaps

APPLICATION NUMBER: 07/573,616

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RESULT 342
US-10-223-598-39
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                                  Sequence 39, Application US/10223598 Publication No. US20030099639A1 GENERAL INFORMATION:
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Publication No. US20050037494A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: PatentIn version 3.1 SEQ ID NO 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
Matches 18; Conserv
                                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/10/491,758
CURRENT FILING DATE: 2004-04-02
PRIOR APPLICATION NUMBER: DE 101 48 886.6
PRIOR FILING DATE: 2001-10-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: HECKER, MARKUS
APPLICANT: WAGNER, ANDREAS H.
TITLE OF INVENTION: Inhibition of STAT-1
FILE REFERENCE: DEBE:032US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR FILING DATE: 2001-
NUMBER OF SEQ ID NOS: 61
APPLICANT: Rikihisa, Yasuko APPLICANT: Zhi, Ning
                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION: Description of Artificial Sequence: OTHER INFORMATION: Primer
                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 16:
                                                                                                                                                                                                                                                                                                                                                                 FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear
MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Clough, David W.
REGISTRATION NUMBER: 36,107
REFERENCE,DOCKET NUMBER: 01017/35199
REFERENCE INFORMATION:
TELEPHONE: 312/474-6300
TELEPAX: 312/474-0448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2402 ATAAATGAAAGTGAGAATCC 2421
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                                                                                                                                                                                       589 GTGGCAGGAGGTCACAGTGG 608
                                                                                                                                                                                                                                      18;
                                                                                                                                                                22 GTGGCAGGATGTCTCAGTGG 3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 21 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 24-AUG-1990
APPLICATION NUMBER: 07/537,198
FILING DATE: 11-JUN-1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: 07/422,383 FILING DATE: 16-OCT-1989
                                                                                                                                                                                                                                        Conservative
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                                                                                                                                                                                                                                                      0.7%;
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Pred. No. 2.7e+02;
                                                                                                                                                                                                                                                       Score 16.8; DB 1
Pred. No. 2.8e+02
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US-10-786-720-1409
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                                                                                                                                                                                                                                                                                                                                                RESULT 344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 1409, Application US/10786720

Publication No. US20040191818A1

GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Liu, Wel
APPLICANT: Liu, Wel
APPLICANT: Liu, Wel
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE
TITLE OF INVENTION: DISEASES
FILE REFERENCE: 031996-023000 (AM101331L)
CURRENT APPLICATION NUMBER: US/10/786,720
CURRENT FILING DATE: 2004-02-26
NUMBER OF SEQ ID NOS: 21135
SOFTWARE: Patentin version 3.2
SEQ ID NO 1409
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Ohashi, No. US2003009639A1io
TITLE OF INVENTION: Nucleic Acid Encoding the Major Outer Membrane Protien of the Cau
TITLE OF INVENTION: Agent of Human Granulocytic Ehrlichiosis and Peptides Encoded Th
FILE REFERENCE: 22727/04133
CURRENT PILING DATE: US/10/223,598
CURRENT FILING DATE: 2002-08-19
PRIOR APPLICATION NUMBER: 09/288,339
PRIOR FILING DATE: 1999-04-08
NUMBER OF SEQ ID NOS: 44
SOFTWARE: Patentin version 3.1
SEQ ID NO 39
LENGTH: 21
TYPE: DNA
ORGANISM: Human Granulocytic Ehrlichiosis Agent
                                                                                                                                                                                                                                                      Sequence 2516, Application US/10786720 Publication No. US20040191818A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
SEQ ID NO 2516
LENGTH: 21
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Best Local Similarity 61.1%;
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                                      TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE TITLE OF INVENTION: DISEASES FILE REFERENCE: 031896-023000 (AM101331L) CURRENT APPLICATION NUMBER: US/10/786,720 CURRENT FILLING DATE: 2004-02-26 NUMBER OF SEQ ID NOS: 21135 SOFTWARE: Patentin version 3.2
                                                                                                                                                                                            APPLICANT: Wyeth
APPLICANT: O'Toole, Margot
APPLICANT: Liu, Wei
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 21
TYPE: RNA
ORGANISM: RNAi-sense strand
                                                                                                                                                                                                                                                                                                                                                                                                                                                       2177 AGATCCTAGATTCTGGAT 2194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            563 GTTTGACTGGAACACACC 580
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AGAUACUAGAUUCUGGAU 20
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Pred. No. 2.
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Pred. No. 2.8e+02;
0; Mismatches 1;
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ches 1;
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; LENGTH: 21
; TYPE: RNA
; ORGANISM: RNAi
US-10-751-736-41385
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Best Local Similarity 5
Thes 9; Conservati
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US-10-751-736-42150
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                                                                                US-10-751-736-42150
                                                                                                                                                 APPLICANT: Wyeth
APPLICANT: Martinez, Robert
APPLICANT: Martinez, Robert
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
TITLE OF INVENTION: CANCERS
FILE REFERENCE: AM100927 (031896-002000)
CURRENT EPLICATION NUMBER: US/10/751,736
CURRENT FILING DATE: 2003-01-06
PRIOR APPLICATION NUMBER: US provisional Application 60/438,000
PRIOR RILING DATE: 2003-01-06
NUMBER OF SEQ ID NOS: 54873
SOFTWARE: Patentin version 3.2
150 ID NO 42150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000 PRIOR FILING DATE: 2003-01-06 NUMBER OF SEQ ID NOS: 54873 SOFTWARE: PatentIn version 3.2 SEQ ID NO 41385 LENGTH: 21
                       Query Match
Best Local (
                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 42150, Application US/10751736 Publication No. US20040265230A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 41385, Application US/10751736 Publication No. US20040265230A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: CANCERS
FILE REFERENCE: AM100927 (031896-002000)
CURRENT APPLICATION NUMBER: US/10/751,736
CURRENT FILING DATE: 2003-01-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Wyeth
APPLICANT: Martinez, Robert
APPLICANT: Brown, Eugene
APPLICANT: Liu, Wei
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
TITLE OF INVENTION: CANCERS
                                                                                                  TYPE: RNA
ORGANISM: RNAi
                                                                                                                                         LENGTH:
0.7%;
Local Similarity 50.0%;
108 9; Conservative
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3 AGAUACUAGAUUCUGGAU 20
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     Score 16.4; DB 1;
Pred. No. 2.8e+02;
B; Mismatches .1;
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Pred. No. 2.8e+02;
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                                         Length 21;
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PRIOR APPLICATION NUMBER: US 60/322218
PRIOR FILING DATE: 2000-09-14
NUMBER OF SEQ ID NOS: 50
SOPTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 36
LENGTH: 21
TYPE: DNA
ORGANISM: Thermus scotoductus
US-10-799-369-36
                                                                                                                                                                                                                                                                           TITLE OF INVENTION: POLYPEPTIDE COMPOUNDS FOR INHIBITING
TITLE OF INVENTION: ANGIOGENESIS AND TUMOR GROWTH
FILE REFERENCE: VASG-PO1-002
CURRENT APPLICATION NUMBER: US/10/800,350
CURRENT FILING DATE: 2004-03-12
FRIOR APPLICATION NUMBER: US 60/454,432
PRIOR FILING DATE: 2003-03-12
PRIOR FILING DATE: 2003-03-12
PRIOR FILING DATE: 2003-03-12
PRIOR FILING DATE: 2003-03-12
SOFTMARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 359
LENGTH: 21
TYPE: NAME
TO SERVER FOR THE SERVER FOR THE SERVER FILING DATE: 2003-03-12
NUMBER OF SEQ ID NOS: 396
SOFTMARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 359
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                                                                                                                                                                ; OTHER INFORMATION: Oligonucleotide US-10-800-350-359
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 348
US-10-800-350-359
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 359, Application US/101
Publication No. US20050084873A1
GENERAL INFORMATION:
APPLICANT: Krasnoperov, Valery
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
Matches 17; Conserv
                                                                           Matches
                                                                                              Query Match
Best Local Similarity
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APPLICANT: Bolchakova, Elena V.
APPLICANT: Bolchakova, Elena V.
APPLICANT: Rozzelle, James E.
TITLE OF INVENTION: A Novel DNA Polymerase from the Thermophilic Thermus Scotoductus
FILE REFERENCE: 1560.002WO1
CURRENT APPLICATION NUMBER: US/10/799,369
CURRENT FILING DATE: 2004-03-12
PRIOR APPLICATION NUMBER: US 60/334489
PRIOR FILING DATE: 2001-11-30
PRIOR FILING DATE: 2001-11-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Reddy, Ramachandra
APPLICANT: Gill, Parkash
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
                                                                                                                                                                                                              TYPE: DNA
ORGANISM: Unknown
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1322 GGCCCTGGTGAAGCTCTT 1339
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227 AGCCATGAAGACCCTCAT 244
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Kertesz, Nathalie
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No. US20050042629A1
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                                                                        Conservative
                                                                                            0.7%; Score 16.4; DB 1;
94.4%; Pred. No. 2.8e+02;
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94.4%; Pred. No. 2.8e+02
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RESULT 351
US-10-786-720-20417
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US-10-625-152-4
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US-10-800-077-359
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Publication No. US20040132776A1
GENERAL INFORMATION:
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 359
LENGTH: 21
                                                                                                                                                   Matches
                                                                                                                                                                   Query Match
Best Local Similarity
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NUMBER OF SEQ ID NOS: 12
SOFTWARE: PatentIn version 3.1
SEQ ID NO 4
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Best Local S
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CURRENT FILING DATE: 2003-07-23
PRIOR APPLICATION NUMBER: US 10/412,087
PRIOR FILING DATE: 2002-05-09
PRIOR APPLICATION NUMBER: US 60/290,307
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Agus, David B.
TITLE OF INVENTION: Use of Benzothiopenes to Treat and Prevent Prostate Cancer
FILE REFERENCE: 81476-294295
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION NUMBER: US/10/800,077
CURRENT FILLING DATE: 2004-03-12
PRIOR APPLICATION NUMBER: US 60/454,432
PRIOR FILING DATE: 2003-03-12
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APPLICANT: Gill, Parkash
TITLE OF INVENTION: NUCLEIC ACID COMPOUNDS FOR INHIBITING
TITLE OF INVENTION: ANGIOGENESIS AND TUMOR GROWTH
FILE REFERENCE: VASG-PO1-001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: US 60/454,300 PRIOR FILING DATE: 2003-03-12
                                                                                                                                                                                                                                                                                                    TYPE: DNA
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                                                                                                                                                                                                                                                                   FEATURE:
                                                                                                                                                                                                                                                                                     ORGANISM: Unknown
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                                                                                                            1327 TGGTGAAGCTCTTCGACAAGC 1347
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                                                                          TGGTGGAGATCTTCGACATGC 21
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D. US20050164965A1
                                                                                                                                                   Conservative
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                                                                                                                                                                   0.7%; Score 16.2;
85.7%; Pred. No. 2.
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Pred. No. 2.8e+02;
0; Mismatches 1
                                                                                                                                                   0; Mismatches
                                                                                                                                                                   .9e+02
                                                                                                                                                                                    DB 1;
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RESULT 353
US-10-751-736-15119
; Sequence 15119, Application US/10751736
; Publication No. US20040265230A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Martinez, Robert
; APPLICANT: Brown, Eugene
; APPLICANT: Liu, Wei
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US-10-751-736-14616/c
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Publication No. US20040265230A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wartinez, Robert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE TITLE OF INVENTION: DISEASES
FILE REFERENCE: 031896-023050 (AM101331L)
CURRENT APPLICATION NUMBER: US/10/786,720
CURRENT FILING DATE: 2004-02-26
NUMBER OF SEQ ID NOS: 21135
SOFTWARE: PAtentin version 3.2
SEQ ID NO 20417
LENGTH: 21
TYPE: RNA
COLUMN TABLE OF SECTION OF 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 0.7%;
Best Local Similarity 85.7%;
Matches 18; Conservative
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NUMBER OF SEQ ID NOS: 54873
SOFTWARE: PatentIn version 3.2
SEQ ID NO 14616
LENGTH: 21
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Best Local Similarity 61.9%; Pred. No. 2.9e+02
Matches 13; Conservative 5; Mismatches
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                              APPLICANT: Martinez, Robert
APPLICANT: Brown, Eugene
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS
TITLE OF INVENTION: CANCERS
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CURRENT FILING DATE: 2003-01-06
PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
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APPLICANT: O'Toole, Margot
APPLICANT: Liu, Wei
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FILE REFERENCE: AM100927 (031896-002000)
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ORGANISM: RNAi
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Brown, Eugene
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Pred. No. 2.9e+02;
                                                                                   FOR DIAGNOSING AND TREATING COLON
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US-10-751-736-19221
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SOFTWARE: PATENTIN VERSION 3.2
SEQ ID NO 19221
LENGTH: 21
                         APPLICANT: Wyeth
APPLICANT: Martinez, Robert
APPLICANT: Brown, Eugene
APPLICANT: Liu, Wei
APPLICANT: Liu, Wei
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
TITLE OF INVENTION: CANCERS
FILE REFERENCE: AM100927 (031896-002000)
CURRENT APPLICATION NUMBER: US/10/751,736
CURRENT FILING DATE: 2003-01-06
PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
PRIOR FILING DATE: 2003-01-06
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-10-751-736-15119
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TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
TITLE OF INVENTION: CANCERS
FILE REFERENCE: AM100927 (031896-002000)
CURRENT APPLICATION NUMBER: US/10/751,736
CURRENT FILING DATE: 2003-01-06
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CURRENT FILING DATE: 2003-01-06
PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
PRIOR FILING DATE: 2003-01-06
NUMBER OF SEQ ID NOS: 54873
                 PRIOR FILING DATE: 2003-01-06
NUMBER OF SEQ ID NOS: 54873
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les 18; Conserv
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nes 15; Conservative
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PatentIn version 3.2
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Pred. No. 2.9e+02;
0; Mismatches 3
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Pred. No. 2.9e+02
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; TYPE: DNA
; ORGANISM: homo sapiens
US-10-751-736-43411
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US-10-751-736-43132
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US-10-751-736-42616
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CURRENT FILING DATE: 2003-01-06
PRIOR APPLICATION NUMBER: B PROVISIONAL APPLICATION APPLICATION NUMBER: US PROVISIONAL APPLICATION OF SEQ ID NOS: 54873
SOFTWARE: Patentin version 3.2
SEQ ID NO 43411
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SOFTWARE: PatentIn version 3.2
SEQ ID NO 43132
LENGTH: 21
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Publication No. US20040265230A1
GENERAL INFORMATION:
Query Match
Best Local Similarity
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Best Local Similarity 85.7%;
Matches 18; Conservative
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APPLICANT: Marti
APPLICANT: Brown
APPLICANT: Liu,
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APPLICANT: Martinez, Robert
APPLICANT: Brown, Eugene
APPLICANT: Liu, Wei
APPLICANT: Brown COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
TITLE OF INVENTION: CANCERS
FILE REFERENCE: AM100927 (031896-002000)
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CURRENT FILING DATE: 2003-01-06
PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
PRIOR FILING DATE: 2003-01-06
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TITLE OF INVENTION: COMPOSITIONS AND METHODS
TITLE OF INVENTION: CANCERS
FILE REFERENCE: AM100927 (031896-002000)
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Brown, Eugene
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Pred. No. 2.9e+02;
Score 16.2; DB 1;
Pred. No. 2.9e+02;
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Pred. No. 2.9e+02
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; OTHER INFORMATION: Description of Artificial Sequence: oligonucleotide US-10-483-289A-25
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; ORGANISM: Homo sapiens
US-10-712-672-391
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TITLE OF INVENTION: A specific proliferation in tumour cell which can express
TITLE OF INVENTION: antioncogene with high efficiency and the use of it.
FILE REFERENCE: IECO20038PUS
CURRENT APPLICATION NUMBER: US/10/483,289A
CURRENT FILING DATE: 2004-01-09
NUMBER OF SEQ ID NOS: 27
SOFTWARE: PatentIn version 3.1
SEQ ID NO 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 93.8
The 15; Conservative
                                                                                                                                    Query Match
Best Local Similarity
Matches 16; Conserv
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Publication No. US20040102413A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Chowrira, Bharat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: PatentIn version 3.0 SEQ ID NO 391
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme FILE REFERENCE: MSHB00-882-C (400/019)
CURRENT APPLICATION NUMBER: US/10/712,672
CURRENT FILING DATE: 2003-11-13
PRIOR APPLICATION NUMBER: US/09/653,225
PRIOR FILING DATE: 2000-08-31
PRIOR FILING DATE: 2000-08-31
PRIOR PILING DATE: 2000-08-31
PRIOR APPLICATION NUMBER: 60/197,769
PRIOR PILING DATE: 2000-04-14
PRIOR PILING DATE: 2000-08-31
PRIOR FILING DATE: 1999-08-31
RIOR FILING DATE: 1999-08-31
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                                                                                                                                                                                                                                                                                  ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                  TYPE: DNA
                                                                                                                                                                                                                                                                                                                                      ENGTH: 19
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Stinchcomb, Da
                                                                                                                                    Conservative
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                                                                                                                                                      0.7%; Score 16; DB 1; L
00.0%; Pred. No. 2.8e+02;
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Pred. No. 2.5e+02
                                                                                                                                    Mismatches
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APPLICANT: Briggs, Clark A.
APPLICANT: Gopalakrishnan, Mura
APPLICANT: McKenna, David G.
APPLICANT: McKenna, Lisa M.
APPLICANT: Mch. Jean-Marc
APPLICANT: Sullivan, James P.
                                                                                                                                                                                                                                                                                                                                                      RESULT 361
US-08-771-737-8/c
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US-10-180-781-80/c
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Best Local :
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APPLICANT: Touma, Edward
APPLICANT: Abbort Laboratories
TITLE OF INVENTION: A VARIANT HUMAN ALPHA 7 ACETYLCHOLINE
TITLE OF INVENTION: RECEPTOR SUBUNIT, AND METHODS OF PRODUCTION AND USES THEREOF
FILE REFERENCE: 6017. US.01
CURRENT APPLICATION NUMBER: US/08/771,737
CURRENT FILING DATE: 1996-12-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO: 80: SEQUENCE CHARACTERISTICS:
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Ve
CURRENT APPLICATION NUMBER: US/10/180,781
FILING DATE: 24-Jun-2002
CLASSIFICATION: «Uktnown»
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Potter, Jane E. R.
REGISTRATION NUMBER: 33,332
REFERENCE/DOCKET NUMBER: 920
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1842 CCAAGGGAGGAGTTGGAG 1860
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ADDRESSEE: Seed Intellectual Property Law Group PLLC STREET: 701 Fifth Ave, Suite 6300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE DESCRIPTION: SEQ ID NO: 80:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES:
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TYPE: nucleic acid
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STATE: Washington
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Bird, Thomas D.
Galas, David J.
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; OTHER INFORMATION: AntiBense Oligonucleotide US-09-972-607-12
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; ORGANISM: Homo Sapien
US-08-771-737-8
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                                                                                                                                                                                                                                       Sequence 12, Application US/09972607 Publication No. US20030105037A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
Matches 17; Conserv
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SEQ ID NO 8
LENGTH: 20
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                                                                                   SEQ ID NO 12
LENGTH: 20
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SOFTWARE: FRStSEQ for Windows Version 3.0
SEQ ID NO 8
LENGTH: 20
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                                                                                                                     APPLICANT: Jacqueline Wyatt
TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B KINASE-GAMMA EXPRESSION
FILE REFERENCE: RTS-01916
CURRENT APPLICATION NUMBER: US/09/972,607
CURRENT FILING DATE: 2001-10-06
NUMBER OF SEQ ID NOS: 88
                                                                                                                                                                                                      APPLICANT: Brett P. Monia APPLICANT: Jacqueline Wy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Touma, Edward
APPLICANT: Abbott Laboratories
TITLE OF INVENTION: A VERTANT HUMAN ALPHA 7 ACETYLCHOLINE
TITLE OF INVENTION: RECEPTOR SUBUNIT, AND METHODS OF PRODUCTION AND USES THEREOF
FILE REFERENCE: 6017.US.01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/09/954,936
CURRENT FILING DATE: 2001-09-18
PRIOR APPLICATION NUMBER: 08/771,737
PRIOR FILING DATE: 1996-12-20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT:
                                              ORGANISM: Artificial Sequence
                                FEATURE:
                                                                    TYPE: DNA
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McKenna, David G.
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Pred. No. 3e+0
0; Mismatches
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Pred. No. 3e+02;
0; Mismatches 2;
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                                                                                                            ; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE: INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: Primer
US-10-455-229-22
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US-10-455-229-22
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APPLICANT: Mark P. Roach
APPLICANT: Erich Koller
TITLE OF INVENTION: ANTISENSE MODULATION OF ES
FILE REFERENCE: RTS-0347
FULR REPELICATION NUMBER: US/10/376,566
CURRENT APPLICATION NUMBER: US/10/005,058
PRIOR APPLICATION NUMBER: US/10/005,058
PRIOR FILING DATE: 2001-12-07
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US-10-376-566-63
                                                                                                                                                                                                                                                     Sequence 22, Application US/10455229
Publication No. US20040016030A1
GENERAL INFORMATION:
APPLICANT: LOWE, BRENDA A.
APPLICANT: CHOMET, PAUL
TITLE OF INVENTION: WITH INCREASED TRANSFORMABILITY
FILE REFERENCE: DEXM:195US
CURRENT APPLICATION NUMBER: US/10/455,229
CURRENT FILING DATE: 2003-06-05
PRIOR FILING DATE: 2003-06-06
PRIOR FILING DATE: 2003-06-06
NUMBER OF SEQ ID NOS: 32
                                                                                                                                                                                                         SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 22
LENGTH: 20
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Best Local Similarity
Matches "17; Conserv
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SEQ ID NO 63
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 63, Application US/103 Publication No. US20030158144A1 GENERAL INFORMATION:
                                                  Matches
                                                             Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
mes 17; Conserv
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CCTCTCTTCCTTCCT 1659
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                                                Conservative
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                                                             0.7%;
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                                                               Score 15.8; DB 1;
Pred. No. 3e+02;
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                                                  Mismatches
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APPLICANT: Touma, Edward

APPLICANT: Abbott Laboratories

TITLE OF INVENTION: A VARIANT HUMAN ALPHA 7 ACETYLCHOLINE

TITLE OF INVENTION: RECEPTOR SUBUNIT, AND METHODS OF PRODUCT

FILE REFERENCE: 6017, US. 01

CURRENT APPLICATION NUMBER: US/10/749,075

CURRENT FILING DATE: 2003-12-30

PRIOR APPLICATION NUMBER: US/08/771,737

PRIOR APPLICATION NUMBER: US/08/771,737

PRIOR APPLICATION NUMBER: US/08/771,737

PRIOR FILING DATE: 1996-12-20

NUMBER OF SEQ ID NOS: 8

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 8
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RESULT 368
US-10-643-801-111/c
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                                                                                                                                                                                                                                                 ; LENGTH: 20
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-749-075-8
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APPLICANT: Briggs, Clark A.
APPLICANT: Gopalakrishnan, Mu
APPLICANT: McKenna, David G.
APPLICANT: Monteggia, Lisa M.
APPLICANT: Roch, Jean-Marc
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US-10-749-075-8/c
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                                                                                                                                                                   Matches
                                                                                                                                                                                     Query Match
Best Local Similarity
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Publication No. US20040203033A1
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Best Local Similarity
Matches 17; Conserv
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LENGTH: 20
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APPLICANT: Brett P. Monia
APPLICANT: Jacqueline Wy:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 12, Application US/10628841 Publication No. US20040023918A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Jacqueline Wyatt
TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR-KAPPA B KINASE-GAMMA EXPRESSION
FILE REFERENCE: RTS-0191
CURRENT APPLICATION NUMBER: US/10/628,841
CURRENT FILING DATE: 2003-07-28
PRIOR APPLICATION NUMBER: US/09/972,607
PRIOR FILING DATE: 2001-10-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA ORGANISM: Artificial Sequence
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                                                                                 GGCAAGCTCCGAATGCCTG 2
                                                                                                                      GGCAACTTCCGAATGCCTG 837
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                                                                                                                                                               Conservative
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Pred. No. 36
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APPLICANT: KLIMAN, Reyna
APPLICANT: KLIMAN, Richard
TITLE OF INVENTION: METHOD OF DESIGNING ADDRESSABLE ARRAY FOR DETECTION OF NUCLEIC AC
TITLE OF INVENTION: SEQUENCE DIFFERENCES USING LIGASE DETECTION REACTION
FILE REFERENCE: 19603/2834
CURRENT APPLICATION NUMBER: US/10/257,158A
CURRENT APPLICATION NUMBER: US/10/257,158A
CURRENT FILING DATE: 2000-10-07
PRIOR APPLICATION NUMBER: PCT/US01/10958
PRIOR APPLICATION NUMBER: DS 60/197,271
PRIOR APPLICATION NUMBER: US 60/197,271
PRIOR APPLICATION NUMBER: US 60/197,271
PRIOR FILING DATE: 2000-04-14
SOFTWARE: PatentIn version 3.1
SEQ ID NO 6237
LENGTH: 20
TYPE: DNA
CREANISM: Artificial Sequence
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; OTHER INFORMATION:
US-10-257-158A-6237
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Best Local Similarity
Matches 17; Conserv
                                    Sequence 20, Application US/10432422 Publication No. US20040076981A1 GENERAL INFORMATION:
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Publication No. US20050142543A1
GENERAL INFORMATION:
APPLICANT: Barany, Francis
APPLICANT: Zirvi, Monib
APPLICANT: Gerry, Norman P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQ ID NO 111
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
Matches 17; Conserv
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APPLICANT: Syngenta Participations AG APPLICANT: Cornell Research Foundation,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE: OTHER INFORMATION: Antisense Oligonucleotide
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Pred. No. 3e+02;
                                                                                                                                                                                                                                                                                       Score 15.8; DB Pred. No. 3e+02;
                                                                                                                                                                                                                                                                                                                                                                     of Artificial Sequence:
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APPLICANT:

Yoder, Olen

Turgeon, Barbara G

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                                                                                                                                                                                                                                                                                                         RESULT 372
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; ORGANISM: Homo sapiens
US-10-786-720-12520
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GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: O'Toole, Margot
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE
TITLE OF INVENTION: COMPOSITION AUTOIMMUNE
TITLE OF INVENTION: DISEASES
FILE REFERENCE: 031896-023000 (AM101331L)
CURRENT FILING DATE: 2004-02-26
NUMBER OF SEQ ID NOS: 21135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILE REFERENCE: 031896-023000 (AM101331L)
CURRENT APPLICATION NUMBER: US/10/786,720
CURRENT FILING DATE: 2004-02-26
NUMBER OF SEQ ID NOS: 21135
SOFTWARE: PatentIn version 3.2
SEQ ID NO 12520
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 89:9
Matches 17; Conservative
                                                                                                                                                                                                                                 Sequence 12521, Application US/10786720 Publication No. US20040191818A1
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Best Local Similarity 89.5%;
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APPLICANT: O'Toole, Margot
APPLICANT: Liu, Wei
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE
TITLE OF INVENTION: DISEASES
TITLE OF INVENTION: DISEASES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION: Primer 10-432-422-20
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CURRENT APPLICATION NUMBER: US/10/432,422
CURRENT FILING DATE: 2003-05-21
PRIOR APPLICATION NUMBER: US 60/252,732
PRIOR FILING DATE: 2000-11-22
PRIOR APPLICATION NUMBER: US 60/252,649
PRIOR APPLICATION NUMBER: US 60/252,649
PRIOR FILING DATE: 2000-11-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQ ID NOS: 210
SOFTWARE: FastSEQ for Windows Version 4.0
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                           2343 TTCTGTTATCTCTTGATGA 2361
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89.5%;
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Pred. No. 3
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Pred. No. 3.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 1;
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Best Local Similarity
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; Sequence 12522, Application US/10786720
; Publication No. US20040191818A1
; GENERAL INFORMATION:
                                                                                                                ; ORGANISM: Homo sapiens
US-10-786-720-20416
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US-10-786-720-20416
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                                                                                                                                                     CURRENT APPLICATION NUMBER: US/10/786,720
CURRENT FILING DATE: 2004-02-26
NUMBER OF SEQ ID NOS: 21135
SOFTWARE: Patentin version 3.2
SEQ ID NO 20416
LENGTH: 21
TYPED
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                                                                             Query Match
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APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE
FILE REFERENCE: 031896-023000 (AM101331L)
CURRENT APPLICATION NUMBER: US/10/786,720
CURRENT FILLING DATE: 2004-02-26
NUMBER OF SEQ ID NOS: 21135
SOFTWARE: Patentin version 3.2
                                                                                                                                                                                                                                                    APPLICANT: Wyeth
APPLICANT: O'Toole, Margot
APPLICANT: Liu, Mei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE
TITLE OF INVENTION: DISEASES
TITLE OF INVENTION: DISEASES
TITLE REFERENCE: 031896-023000 (AM101331L)
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O'Toole,
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ORGANISM: RNAI-sense
                                                                                                                                              TYPE: DNA
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                                                             Local Similarity
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1716 GGACCAGTTAGATGATTCA 1734
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nilarity 89.5%;
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89.5%; Pred. No. 3.1e+02
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                                                                 Score 15.8;
Pred. No. 3
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Pred. No. 3
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                                                                 DB 1;
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APPLICANT: Weth
APPLICANT: Vyeth
APPLICANT: UTOOLe, Margot
APPLICANT: LIV, Wei
APPLICANT: LIV, Wei
APPLICANT: LIV, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
TITLE OF INVENTION: DISEASES
FILE REFERENCE: 031896-023000 (AM101331L)
CURRENT APPLICATION NUMBER: US/10/786,720
CURRENT FILING DATE: 2004-02-26
NUMBER OF SEQ ID NOS: 21135
SOFTWARE: PattentIn version 3.2
SEQ ID NO 20418
LENGTH: 21
TYPE: RNA
CROANTON: DNAI-Antisense Strand
                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Brown, Eugene
APPLICANT: Liu, Wei
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
TITLE OF INVENTION: CANCERS
FILE REFERENCE: AM100927 (031896-002000)
CURRENT APPLICATION NUMBER: US/10/751,736
CURRENT FILING DATE: 2003-01-06
PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
PRIOR FILING DATE: 2003-01-06
NUMBER OF SEQ ID NOS: 54873
SOFTMARE: Patentin version 3.2
SEQ ID NO 18485
LENGTH: 21
TYPE: RNA
ORGANISM: RNAi
US-10-751-736-18485
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US-10-751-736-40402
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US-10-786-720-20418/c
Sequence 40402, Application US/10751736
Publication No. US20040265230A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Martinez, Robert
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Best Local Similarity
Matches 17; Conserv
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Best Local Similarity
Matches 17; Conserv
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                                                                                                                                                                                                                                            2127 AGCCTTGGCCTGGAGCACA 2145
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89.5%; Pred. No. 3.
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Pred. No. 3.1e+02;
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                                                                                                                                                                                                                                                                                                                              Length 21;
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APPLICANT: Liu, Wei
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREE
FILE REFERENCE: AM100927 (031896-002000)
FILE REFERENCE: AM100927 (031896-002000)
CURRENT APPLICATION NUMBER: US/10/751,736
CURRENT FILING DATE: 2003-01-06
PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
PRIOR FILING DATE: 2003-01-06
PRIOR FILING DATE: 2003-01-06
NUMBER OF SEQ ID NOS: 54873
SOFTWARE: Patentin version 3.2
LENGTH: 21
LENGTH: 21
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US-10-847-918-12719
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US-10-751-736-42617
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON TITLE OF INVENTION: CANCERS FILE REFERENCE, AM100927 (031896-002000) CURRENT APPLICATION NUMBER: US/10/751,736 CURRENT FILING DATE: 2003-01-06 PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000 PRIOR FILING DATE: 2003-01-06 PRIOR FILING DATE: 2003-01-06 PRIOR FILING DATE: 2003-01-08 PRIOR FILING DATE: 2
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Best Local S
Matches 17
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Matches 13; Conserva
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APPLICANT: Wyeth
APPLICANT: He, Xiaobing
APPLICANT: Liu, Wei
APPLICANT: Liu, Wei
APPLICANT: Slonim, Donna
APPLICANT: Howes, Steve
TITLE OF INVENTION: Compositions and Methods for Diagnosing and Treating Cancers
FILE REFERENCE: 031896-026000 (AM101264)
CURRENT APPLICATION NUMBER: US/10/847,918
CURRENT FILING DATE: 2004-05-19
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APPLICANT: Martinez, Robert
APPLICANT: Brown, Eugene
APPLICANT: Liu, Wei
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ORGANISM: RNAi
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Pred. No. 3.1e+02;
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Pred. No. 3.1e+02;
0; Mismatches 2;
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PRIOR APPLICATION NUMBER: US 60/471,729

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뭐
; SOFTWARE: Aeomica Sequenc
; SEQ ID NO 2021
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-2021
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; ORGANISM: RNA1-sense strand
US-10-847-918-12719
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Best Local Similarity
Matches 11; Conserv
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GENERAL INFORMATION:
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                                                                                                                                 PRIOR APPLICATION NUMBER: US 60/266,860 PRIOR FILING DATE: 2001-00 00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILE REFERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: PatentIn version 3.2
EQ ID NO 12719
LENGTH: 21
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IITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: GU, Yizhong
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NUMBER OF SEQ ID NOS: 14937
                                                                                                                                                                       FILING DATE: 2001-01-30
APPLICATION NUMBER: US 60/234,687
FILING DATE: 2000-09-21
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FILING DATE: 2001-01-30
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                                                                                                                                                                                                                          APPLICATION NUMBER: PCT/US01/00670
                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: PCT/US01/00662
                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: PCT/US01/00663
FILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: PCT/US01/00668
                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: PCT/US01/00665
                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00669
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: PCT/US01/00664
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: PCT/US01/00667 FILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                   APPLICATION NUMBER: PCT/US01/0066:
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PENN, Sharron (
HANZEL, David )
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                                                                                              Sequence Listing Engine
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Pred. No. 3
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1.1e+02;
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US-09-866-108-2842
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                                                                                  Matches
                                                                                                                       Query Match
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PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2000-09-27
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CURRENT FILING DATE: 2001-05-25
                                                                                                                                                                                                                                                                     SOFTWARE: Aeomica Sequence Listing Engine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: MYOSI FILE REFERENCE: AEOMICA-7
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OR FILING DATE: 2001-01-30
OR APPLICATION NUMBER: PCT/US01/00667
OR FILING DATE: 2001-01-30
OR APPLICATION NUMBER: PCT/US01/00664
OR FILING DATE: 2001-01-30
OR APPLICATION NUMBER: PCT/US01/00669
OR FILING DATE: 2001-01-30
OR PILING DATE: 2001-01-30
OR APPLICATION NUMBER: PCT/US01/00669
OR APPLICATION NUMBER: PCT/US01/00669
OR APPLICATION NUMBER: PCT/US01/00669
OR FILING DATE: 2001-01-30
OR FILING DATE: 2001-01-30
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OR FILING DATE: 2001-01-30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: PCT/US01/00663
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00662
FILING DATE: 2001-01-0
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FILING DATE: 2001-01-30
                                         1974 GGCCTCCAGGATGAGGA 1990
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                                                                                l Similarity
16; Conserv
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  GGCCTCGAGGATGAGGA 17
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                                                                             0.6%;
ilarity 94.1%;
Conservative
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                                                                                Score 15.4; DB 1;
Pred. No. 2.8e+02;
0; Mismatches 1
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Pred. No. 2.8e+02;
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                                                                                                                         DB 1;
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                                                                                                                    Length 17;
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                                                                                Gaps
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JI, Yonggang

Sharron

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RESULT 384
US-10-723-361-2021
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CURRENT APPLICATION UNMBER: US/10/712,672
CURRENT FILING DATE: 2003-11-13
PRIOR APPLICATION NUMBER: US/09/653,225
PRIOR FILING DATE: 2000-08-31
PRIOR APPLICATION NUMBER: 60/197,769
PRIOR FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/150,713
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; TYPE: RNA; ORGANISM: Homo sapiens US-10-238-700-2
                                                                                                                                                                                                                                                                                                     US-10-712-672-390
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APPLICANT: McSwiggen, James
TITLE OF INVENTION: Nucleic Acid Treatment of
PILE REFERENCE: 400/057 (MBHB01-1158-A)
CURRENT APPLICATION NUMBER: US/10/238,700
CURRENT FILING DATE: 2002-09-18
PRIOR APPLICATION NUMBER: PCT/US 02/16840
PRIOR FILING DATE: 2002-05-29
PRIOR FILING DATE: 2001-09-10
PRIOR FILING DATE: 2001-09-10
NUMBER OF SEQ ID NOS: 4666
Sequence 2021, Application US/10723361
Publication No. US20040137589A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
                                                                                                                                                                                                                                                                                                                                                                         PRIOR FILING DATE: 1999-08-31
NUMBER OF SEQ ID NOS: 5586
SOFTWARE: PatentIn version 3.0
SEQ ID NO 390
                                                                                                                                                                                                                                           Query Match 0.6%;
Best Local Similarity 88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: PatentIn version 3.0 SEQ ID NO 2 LENGTH: 17
                                                                                                                                                                                                                           Matches
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Ribozyme Pharmaceuticals, Inc. APPLICANT: Chowrira, Bharat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
                                                                                                                                                                                                                                                                                                                                    TYPE: RNA
                                                                                                                                                                                                                                                                                                                   ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                      LENGTH:
                                                                                                                                                                                    141 GCGAAGCCCTGGCCCCG 157
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Pred. No. 2.
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Pred. No. 2.8e+02;
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; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-2021
                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Shart;
APPLICANT: HANZEL, David
APPLICANT: RANK, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 385
US-10-723-361-2842
                                                               FILE REFERENCE: PB0105
CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT FILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: US 09/866,108
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR PILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
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Matches
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APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANKON, Mark
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: SHANKON, MAIK
APPLICANT: SHANKON, MAIK
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN:
TILLE REPERENCE: P80105
CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT FILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: US 09/866,108
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: GB 24263.6
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PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: 01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR APPLICATION NUMBER: PCT/US01/00668
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PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
                  PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: Aeomica Sequence Listing Engine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Remaining Prior Application data removed - NUMBER OF SEQ ID NOS: 15755
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: PCT/US01/00664
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Match 0.6%;
Local Similarity 94.1%;
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FILING DATE APPLICATION
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US-10-498-462-1757
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; ORGANISM: Homo sapiens
US-10-723-361-2842
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CURRENT APPLICATION NUMBER: US/10/498,462
CURRENT FILING DATE: 2004-06-10
PRIOR APPLICATION NUMBER: US 60/339,764
PRIOR FILING DATE: 2001-12-10
PRIOR APPLICATION NUMBER: PCT/US02/37506
PRIOR FILING DATE: 2002-11-22
NUMBER OF SEQ ID NOS: 3320
Sequence 1759, Application US/10498462
Publication No. US20040259175A1
GENERAL INFORMATION:
APPLICANT: Guo, Jinjiao
TITUS OF INVENTION: HUMAN PROSTATE CANCER CANDIDATE PROTEIN 1
FILE REFERENCE: PB01102
CURRENT APPLICATION NUMBER: US/10/498,462
CURRENT FILING DATE: 2004-06-10
PRIOR APPLICATION NUMBER: US 60/339,764
PRIOR APPLICATION NUMBER: PCT/US02/37506
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Best Local S
Matches 16
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Publication No. US20040259175A1
GENERAL INFORMATION:
APPLICANT: Guo, Jinjiao
TITLE OF INVENTION: HUMAN PROSTATE CANCER CANDIDATE PROTEIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Aeomica Sequence Listing Engine SEQ ID NO 1757
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Best Local Similarity 94.1%;
Matches 16; Conservative
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ORGANISM: Homo sapiens
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APPLICATION NUMBER: PCT/US01/00665
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00668
FILING DATE: 2001-01-30
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00669
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Pred. No. 2.8e+02;
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APPLICANT: McSwiggen, James
TITLE OF INVENTION: Nucleic Acid Treatment of
TITLE OF INVENTION: Nucleic Acid Treatment of
TITLE OF INVENTION: RAS, HER2 and HIV
FILE REFERENCE: 400/046-US (MBHB02-326-A)
CURRENT APPLICATION NUMBER: US/10/724,270
CURRENT FILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: PCT/US02/16840
PRIOR FILING DATE: 2002-05-29
PRIOR PILING DATE: 2001-09-10
PRIOR PILING DATE: 2001-09-10
PRIOR PILING DATE: 2001-06-06
PRIOR PILING DATE: 2001-05-29
PRIOR FILING DATE: 2001-05-29
PRIOR PILING DATE: 2001-05-09
PRIOR APPLICATION NUMBER: US 60/294,140
PRIOR PILING DATE: 2001-05-09
PRIOR APPLICATION NUMBER: US 10/238,700
PRIOR APPLICATION NUMBER: US 10/163,552
PRIOR PILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 10/163,552
PRIOR PILING DATE: 2002-06-06
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                                                                                                                                                                                                                                                     SOFTWARE: PatentIn version 3.0 SEQ ID NO 2 LENGTH: 17
                                                                                       Query Match
Best Local Similarity
Matches 16; Conserv
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NUMBER OF SEQ ID NOS: 3320
SOFTWARE; Acomica Sequence Listing
SEQ ID NO 1759
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                                                                                                                                                                                                                                                                                                                                                                            PRIOR FILING DATE: 2003-04-16
                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: US 10/417,012
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TYPE: DNA
                                                                                                                                                                                                            ORGANISM: Homo sapiens
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APPLICATION NUMBER: US 10/444,853
FILING DATE: 2003-05-23
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APPLICATION NUMBER: US 10/693,059
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                                         16 CGCCGCGGCTGCCGCCT 32
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ilarity 94.1%;
Conservative
                                                                                            Conservative
                                                                                                             0.6%; Score 15.4; DB 1;
94.1%; Pred. No. 2.8e+02;
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Pred. No. 2.8e+02;
0; Mismatches 1
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                                                                                                                                                                                                                                                                                                                                                 File Wrapper
                                                                                                                                     Length 17;
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Level

RESULT 389
US-10-353-461-2
US-10-353-461-2
; Sequence 2, Application US/10353461
; Publication No. US20030176682A1
; GENERAL INFORMATION:

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APPLICANT: Vlaams Interuniversitair Instituut voor Biotechnol
TITLE OF INVENTION: Molecular characterisation of chromosome translocation
TITLE OF INVENTION: t(11;18) (q21;q21) and its correlation to
TITLE OF INVENTION: carcinogenesis
FILE REFERENCE: PMA/MALT/V043
CURRENT APPLICATION NUMBER: US/10/353,461
CURRENT FILING DATE: 2003-01-26
PRIOR APPLICATION NUMBER: US/09/579,692
PRIOR APPLICATION NUMBER: US/09/579,692
PRIOR APPLICATION NUMBER: 00/38,834
PRIOR APPLICATION NUMBER: 60/138,834
PRIOR FILING DATE: 1999-06-09
NUMBER: OF SEQ ID NOS: 56
SOPTWARE: PatentIN Ver. 2.1
SEQ ID NO 2
LENGTH: 20
Sequence 13, Application US/10874242
publication No. US20050026252A1
GENERAL INFORMATION:
APPLICANT: ESTES, SCOTT
APPLICANT: ZHANG, WEICON
TITLE OF INVENTION: NOVEL PROMOTERS AND USES THEREOF
FILE REFERENCE: 07680.0027-00000
CURRENT APPLICATION NUMBER: US/10/874,242
CURRENT FILING DATE: 2004-06-24
PRIOR APPLICATION UNMER: 60/480,768
PRIOR FILING DATE: 2003-06-24
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Matches
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Publication No. US20040101848A1
GENERAL INFORMATION:
APPLICANT: Donna T. Ward
APPLICANT: Alexander H. Borchers
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF GLUCOSE TRANSPORTER-4 EXPRESSION
FILE REFERENCE: RTS-0426
                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local :
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LENGTH: 20
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Best Local (
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CURRENT FILING DATE: 2002-11-23
NUMBER OF SEQ ID NOS: 157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: Antisense Oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA
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16; Conserv
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Pred. No. 3
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Pred. No. 3.
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RESULT 393
US-09-784-674-552/c
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US-09-373-938-10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Chen, Cheauyun Theresa
TITLE OF INVENTION: ADENOVIRAL VECTORS INCLUDING DNA SEQUENCES ENCODING ANGIOGENIC IN
FILE REFERENCE: 4-308991
CURRENT APPLICATION NUMBER: US/09/373,938
CURRENT FILING DATE: 1999-08-13
NUMBER OF SEQ ID NOS: 17
SOFTWARE: Patentin version 3.1
SEQ ID NO 10
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                         Sequence 552, Application US/09784674 Publication No. US20030054346A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQ ID NOS: 41
SOFTWARE: PatentIn versi
SEQ ID NO 13
LENGTH: 20
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Publication No. US20020115202A1
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Best Local
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity 85.0 es 17; Conservative
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                    Kincaid, Robert H.
TITLE OF INVENTION: Methods for evaluating oligonucleotide
                                                                                                                                                                                                                                                       APPLICANT: Shannon, Karen W.
Wolber, Paul K.
Delenstarr, Glenda C.
Webb, Peter G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2402 ATAAATGAAAGTGAGAA 2418
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                                                                ADDRESSEE: Records Manager, L
Company M/S 20BO
STREET: 3000 Hanover Street
CITY: Palo Alto
STATE: CA
COUNTRY: USA
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Pred. No. 3.3e+02;
0; Mismatches 3
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Pred. No. 3.
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1.2e+02;
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Best Local Similarity
Matches 17; Conserv
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                COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION NUMBER: US/09/784,674
FILING DATE: 15-Feb-2001
CLASSIFICATION: No. US20030054346A1 available
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/021,701
FILING DATE: 10-FEB-1998
                                                                                                                                                                                                               ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES: 1165
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: linear MOLECULE TYPE: cDNA HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Choi, Wendy A.
REGISTRATION NUMBER: 36,697
REFERENCE/DOCKET NUMBER: 10971464-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-236-2386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/021,701
FILING DATE: 10-FEB-1998
ATTORNEY/AGENT INFORMATION:
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APPLICATION NUMBER: US/09/784,674
FILING DATE: 15-Feb-2001
CLASSIFICATION: No. US20030054346A1 available
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Kincaid, Robert H.
TITLE OF INVENTION: Methods for evaluating oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Shannon, Karen W. Wolber, Paul K.
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ATTORNEY/AGENT INFORMATION:
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TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                   STATE: CA
                                                                                                                                                                                                                                                                              COUNTRY: USA
                                                                                                                                                                                                                                                                                                                 CITY: Palo Alto
                                                                                                                                                                                                                                                                                                                                          STREET: 3000
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Company M/S 20BO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OPERATING SYSTEM: PC-DOS/MS-DOS
SOPTWARE: PatentIn Release #1.0, Version #1.30
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                                                                                                                                                                                                                                                                                                                                        Hanover Street
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Pred. No. 3.3e+02;
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                                                                                                                                                           Version #1.30
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PILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10/057,550
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/506,073
PRIOR FILING DATE: 2000-02-18
PRIOR APPLICATION NUMBER: US 09/143,214
PRIOR APPLICATION NUMBER: PCT/US98/13961
PRIOR APPLICATION NUMBER: PCT/US98/13961
PRIOR FILING DATE: 1998-07-06
                                                                                                                                                                                                                                                                         RESULT 396
US-10-057-550-80/c
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                                                                                                                                                                     Sequence 80, Application US/10057550
Publication No. US20030032607A1
GENERAL INFORMATION:
APPLICANT: Monia, Brett P.
TITLE OF INVENTION: Antisense Oligonucleotide Modulation of raf Gene Expression
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQ ID NOS: 21
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 8
                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
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GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Campochiaro, Peter A.
APPLICANT: Dixon, Katharine H.
APPLICANT: Brazzell, Romulus K.
TITLE OF INVENTION: METHOD FOR TREATING
TITLE OF INVENTION: NEOVASCULARIZATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILE REFERENCE: 4-31881A
CURRENT APPLICATION NUMBER: US/10/080,797
CURRENT FILING DATE: 2002-02-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO: 553: SEQUENCE CHARACTERISTICS:
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17; Conserv
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Similarity 85.0%; Pred. No. 3
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REFERENCE/DOCKET NUMBER: 10971464-1
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ilarity 85.0%;
Conservative
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Pred. No. 3.3e+02;
0; Mismatches 3
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; Sequence 16, Application US/10045360

Publication No. US20030138781A1

; GENERAL INFORMATION:
   APPLICANT: Whitehead, Alexander Steven

TITLE OF INVENTION: METHODS FOR DETERMINING ST:
   PILE REFERENCE: UPA-008

; CURRENT APPLICATION UMBER: US/10/045,360

; CURRENT FILING DATE: 2002-01-22

; NUMBER OF SEQ ID NOS: 23
                                                                                                                                                                                RESULT 398
US-10-045-360-16
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                                                                                                                                                                                                                                                                                                                                                                                                                    ; FEATURE: ; OTHER INFORMATION: Description of Artificial Sequence: Primer Ba3r US-10-037-182-22
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APPLICANT: Doi, Masayuki
APPLICANT: Doi, Masayuki
APPLICANT: Thyboll, Jill
TITLE OF INVENTION: Recombinant Laminin 10
FILE REFERENCE: 99-274-F
CURRENT APPLICATION NUMBER: US/10/037,182
CURRENT FILING DATE: 2001-12-21
PRIOR APPLICATION NUMBER: 60/257,449
PRIOR APPLICATION NUMBER: 60/257,449
PRIOR FILING DATE: 2000-12-21
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Best Local S
Matches 17
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Best Local Similarity
Matches 17; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: 60/279,282
PRIOR FILING DATE: 2001-03-28
NUMBER OF SEQ ID NOS: 36
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 22
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: US 08/250,856
PRIOR FILING DATE: 1994-05-31
NUMBER OF SEQ ID NOS: 130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: PCT/US95/07111
PRIOR FILING DATE: 1995-05-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR FILING DATE: 1997-07-07
PRIOR APPLICATION NUMBER: US 08/756,806
PRIOR FILING DATE: 1996-11-26
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ORGANISM: artificial sequence
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ORGANISM: Artificial Sequence
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Conservative
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Pred. No. 3.3e+02;
0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                           Score 15.2;
Pred. No. 3
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3.3e+02;
                                                                                  STEROID RESPONSIVENESS
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Sequence 20, Application US/10176277

Publication No. US20030232443A1

GENERAL INFORMATION:
APPLICANT: C. Frank Bennett
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULAT:
FILE REFERENCE: HTS-0022
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                                                                                                                                                                                                                                                             ; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-176-277-20
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US-10-176-277-16/c
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SEQ ID NO 16
LENGTH: 20
TYPE: DNA
OBCANTON
                                                                                                           Query Match
Best Local Similarity
Matches 17; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/10/176,277
CURRENT FILING DATE: 2002-06-18
NUMBER OF SEQ ID NOS: 77
SEQ ID NO 20
LENGTH: 20
TYPE TAXABLE PROPERTY OF THE PROPER
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Best Local Similarity
Matches 17; Conserv
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LENGTH: 20
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION (
FILE REFERENCE: HTS-0022
CURRENT APPLICATION NUMBER: US/10/176,277
CURRENT FILING DATE: 2002-06-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 16, Application US/10176277 Publication No. US20030232443AL
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TCACGGAGGCCCTGCACTTT 1
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ANTISENSE MODULATION OF
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                                                                                                                                                            Score 15.2; DB 1;
Pred. No. 3.3e+02;
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Pred. No. 3.3e+02;
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Pred. No. 3.3e+02;
                                                                                                                                Mismatches
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                                                                                                                                                                                           Length 20;
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US-10-176-277-56
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Sequence 76, Application US/10186157
Publication No. US20040002151A1
GENERAL INFORMATION:
APPLICANT: Andrew T. Watt
APPLICANT: Suban M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF SELENOPHOSPHATE SYNTHETASE 2 EXPRESSION
FILE REFERENCE: RTS-0193
CURRENT APPLICATION NUMBER: US/10/186,157
CURRENT FILING DATE: 2002-06-28
NUMBER OF SEQ ID NOS: 88
SEQ ID NO 76
LENGTH: 20
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CURRENT APPLICATION NUMBER: US/10/176,277
CURRENT FILING DATE: 2002-06-19
NUMBER OF SEQ ID NOS: 77
SEQ ID NO 53
LENGTH: 20
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Best Local (
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Publication No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILE REFERENCE: HTS-0022
CURRENT APPLICATION NUMBER: US/10/176,277
CURRENT FILING DATE: 2002-06-18
NUMBER OF SEQ ID NOS: 77
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF CENTROMERE PROTEIN B EXPRESSION
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: H. sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
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17; Conserv
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                                                                                                                                                                                                                                                                                                                                                         Score 15.2; DB 1
Pred. No. 3.3e+02
0; Mismatches
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Pred. No. 3.3e+02;
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                                                                                                                                        ; OTHER INFORMATION: Antisense Oligonucleotide US-10-210-838-36
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US-10-289-762-3356
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                                                                                                                                                                                     NUMBER OF SEQ ID NOS: 198
SEQ ID NO 36
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
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                                                                      Matches
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Best Local Similarity
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SEQ ID NO 3356
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Best Local Similarity 85.0%;
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                               APPLICANT: Brett P. Monia
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF LAR EXPRESSION
FILE REFERENCE: PTS-0013
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Griffais, R.
TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence
TITLE OF INVENTION: thereof and uses thereof, in particul
TITLE OF INVENTION: and treatment of infection
FILE REFERENCE: 9710-003-999
CURRENT APPLICATION NUMBER: US/10/289,762
CURRENT FILING DATE: 2003-03-27
                                                                                                                                                                                                                                                                              CURRENT APPLICATION NUMBER: US/10/210,838
CURRENT FILING DATE: 2002-07-31
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                                  1986 GAGGATGGGGTGGCAATGA 2005
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al Similarity 85.0%;
17; Conservation
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GAGGATGGCGATGACAATGA 20
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Pred. No. 3
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Pred. No. 3
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Pred. No. 3.3e+02;
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US-10-210-838-141/c

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RESULT 408
US-10-273-826-24/c
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; OTHER INFORMATION: PCR mutagenesis primer GREIF
US-10-348-346-16
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Sequence 24, Application US/10273826
Publication No. US20040077083A1
GENERAL INFORMATION:
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 4 EXPRESSION
FILE REFERENCE: RTS-0161
                                                                                                                                                                                                                                                               Matches
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Best Local
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APPLICANT: Brett P. Monia
APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dob
APPLICANT: Susan M. Freie
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SEQ ID NO 141
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APPLICANT: Kenneth W. Dobie
APPLICANT: Kenneth W. Dobie
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF LAR EXPRESSION
FILE REFERENCE: PTS-0013
CURRENT APPLICATION NUMBER: US/10/210,838
CURRENT FILING DATE: 2002-07-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/10/348,346
CURRENT FILING DATE: 2003-04-22
PRIOR APPLICATION NUMBER: US 10/045,360
PRIOR FILING DATE: 2002-01-22
PRIOR APPLICATION NUMBER: US 60/370,008
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TITLE OF INVENTION: METHODS FOR DETERMINING DRUG RESPONSIVENESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR FILING DATE: 2002-04-03
NUMBER OF SEQ ID NOS: 29
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ORGANISM: H. sapiens
                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 20
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17; Conserv
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Pred. No. 3.3e+02
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Pred. No. 3
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LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                     Sequence 459, Application US/10280183A Publication No. US20040081964A1
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SEQ ID NO 24
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APPLICANT:
APPLICANT:
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            APPLICANT: Ohmen, Jeffrey D
APPLICANT: Reed, Danidle R.
APPLICANT: Rose, David
APPLICANT: Tordoff, Michael G.
TITLE OF INVENTION: GENE AND SEQUENCE VARIATION ASSOCIATED WITH
TITLE OF INVENTION: CARBOHYDRATE COMPOUNDS AND OTHER SWEETNERS
FILE REFERENCE: PC18306A
CURRENT APPLICATION NUMBER: US/10/280,183A
CURRENT FILING DATE: 2002-10-25
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CURRENT FILING DATE: 2002-10-17
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APPLICANT: Keith Glaser
TITLE OF INVENTION: ANTISENSE MODULATION OF HISTONE DEACETYLASE 4 EXPRESSION
FILE REFERENCE: RTS-0264
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CURRENT FILING DATE: 2002-10-17
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OTHER INFORMATION: Antisense Oligonucleotide
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TYPE: DNA
ORGANISM: Artificial Sequence
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OTHER INFORMATION: Antisense Oligonucleotide
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APPLICATION NUMBER: 60/200,794
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De Jong, Pieter
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Chatterjee, Aurobindo
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Pred. No. 3.3e+02;
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Pred. No. 3.3e+02;
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; ORGANISM: Mouse
US-10-280-183A-459
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                                                                                                                                                               SEQ ID NO 124
LENGTH: 20
TYPE: DNA
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Best Local S
Matches 17
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Best Local Similarity
Matches 17; Conserv
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LENGTH: 20
                                                                                                                                                                                                                                                                                   Sequence 124, Application US/10300424
Publication No. US20040096835A1
GENERAL INFORMATION:
APPLICANT: Kenneth W. Dobie
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NUMBER OF SEQ ID NOS: 652
SOFTWARE: PatentIn Ver. 3.1
SEQ ID NO 459
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                                                                                                                                                                                                                          TITLE OF INVENTION: MODULATION OF THESF14 EXPRESSION FILE REFERENCE: RTS-0437 CURRENT APPLICATION NUMBER: US/10/300,424 CURRENT FILING DATE: 2002-11-19
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TITLE OF INVENTION: MODULATION OF TNFSF14 EXPRESSION
FILE REFERENCE: RTS-0437
CURRENT APPLICATION NUMBER: US/10/300,424
CURRENT FILING DATE: 2002-11-19
                                                                                                                                                                                                            NUMBER OF SEQ ID NOS: 129
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                             ORGANISM: H. sapiens
                                                                                                                                    FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OTHER INFORMATION: Antisense Oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FEATURE:
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Pred. No. 3.3e+02;
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Pred. No. 3.3e+02;
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                                                           Mismatches
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US-10-300-399-105/c
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SEQ ID NO 316
LENGTH: 20
TYPE: DNA
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SEQ ID NO 105
LENGTH: 20
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SEQ ID NO 28
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
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APPLICANT: Andrew T. Watt
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Publication No.
                                                    APPLICANT: Pharmacia Corp.
APPLICANTION: ANTISENSE MODULATION OF GFAT EXPRESSION
FILE REFERENCE: 01393/1
CURRENT APPLICATION NUMBER: US/10/688,706
CURRENT FILING DATE: 2003-10-17
PRIOR APPLICATION NUMBER: 60/419,268
PRIOR FILING DATE: 2002-10-17
NUMBER OF SEQ ID NOS: 3071
SOFTWARE: Patentin version 3.2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Andrew T. Watt
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CURRENT FILING DATE: 2002-11-19
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Pred. No. 3
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Pred. No. 3.3e+02;
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RESULT 417
US-10-316-459-16/c
US-10-316-459-16/c
; Sequence 16, Application US/10316459
; Publication No. US20040110149A1
; GENERAL INFORMATION:
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Best Local Similarity
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SEQ ID NO 16
LENGTH: 20
TYPE: DNA
                                                             Matches
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                                                                                            Query Match
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SEQ ID NO 2458
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CURRENT APPLICATION NUMBER: US/10/316,459
CURRENT FILING DATE: 2002-12-10
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CURRENT FILING DATE: 2003-10-17
PRIOR APPLICATION NUMBER: 60/419,268
PRIOR FILING DATE: 2002-10-17
NUMBER OF SEQ ID NOS: 3071
                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: MODULATION OF BUB1-BETA EXPRESSION
                                                                                                                                                                                                                                                                                                                         APPLICANT: C. Frank Bennett
APPLICANT: Ravi Jain
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APPLICANT: Broschat, Kay
TITLE OF INVENTION: ANTISENSE MODULATION OF GFAT EXPRESSION
FILE REFERENCE: 01393/1
                                                                                                                                                             ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
ORGANISM: artificial
                                                                                                                                            OTHER INFORMATION: Antisense Oligonucleotide
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                                                                             Local Similarity
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                                                                             Score 15.2; DB 1;
Pred. No. 3.3e+02;
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Pred. No. 3.3e+02;
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RESULT 420
US-10-666-909-14/c
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US-10-316-459-94
                                 Sequence 14, Application US/10666909
Publication No. US20040137623A1
GENERAL INFORMATION:
APPLICANT: Brenda F. Baker
APPLICANT: Kathleen Myers
APPLICANT: Joshua Finger
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: PatentIn version 3.2
SEQ ID NO 1546
LENGTH: 20
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Best Local Similarity
Matches 17; Conserv
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LENGTH: 20
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Publication No. US20040132063A1
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CURRENT APPLICATION NUMBER: US/10/671,395
CURRENT FILING DATE: 2003-09-25
PRIOR APPLICATION NUMBER: 60/413,549
PRIOR FILING DATE: 2002-09-25
APPLICANT: Joshua Finger
TITLE OF INVENTION: DELIVERY OF OLIGONUCLEOTIDE
TITLE OF INVENTION: OSTEOCLAST DIFFERENTIATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Pharmacia Corp.

APPLICANT: Gierse, James K

TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
TITLE OF INVENTION: EXPRESSION
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APPLICANT: Ravi Jain
TITLE OF INVENTION: MODULATION OF BUB1-BETA EXPRESSION
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CURRENT FILING DATE: 2002-12-10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
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ORGANISM: H. sapiens
FEATURE:
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Local Similarity 85.0%;
les 17; Conservation
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Pred. No. 3
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Pred. No. 3.3e+02;
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                                                                                                                                                                                                                                                                                                                             3.3e+02;
                                                                                                                                                                                                                                                                                                                                             DB 1;
                   COMPOUNDS INTO OSTEOCLASTS
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RESULT 422
US-10-744-055-16
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US-10-666-909-62
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                                                        Sequence 16, Applica Publication No. US20 GENERAL INFORMATION:
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Best Local S
                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQ ID NO 62
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Publication No. US20040137623A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Kathleen Myers
APPLICANT: Joshua Finger
TITLE OF INVENTION: DELIVERY OF OLIGONUCLECTIDE
TITLE OF INVENTION: OSTEOCLAST DIFFERENTIATION
FILE REFERENCE: 23546-07993/RTSp-0313US.Pl
CURRENT APPLICATION NUMBER: US/10/666,909
CURRENT FILING DATE: 203-09-17
APPLICANT: Whitehead, Alexander Steven APPLICANT: Challberg, Sharon S. APPLICANT: Lazar, James G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: 10/111,868
PRIOR FILING DATE: 2002-08-06
PRIOR APPLICATION NUMBER: PCT/US00/29828
PRIOR FILING DATE: 2000-10-30
PRIOR APPLICATION NUMBER: 09/435,296
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: 09/435,296 PRIOR FILING DATE: 1999-11-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: PCT/US00/29828 PRIOR FILING DATE: 2000-10-30
                                                                                                                                                                                                                                                                                                                                                                LENGTH: 20
TYPE: DNA
ORGANISM: M. musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQ ID NOS: 110
SOFTWARE: FastSEQ for Windows Version 4.0
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CURRENT FILING DATE: 2003-09-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILE REFERENCE: 23546-07993/RTSP-0313US.P1
                                                                                                                                                                                                                                                                                                                                                            FEATURE:
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17; Conserv
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17; Conserv
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No. US20040203031A1
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Pred. No. 3.3e+02;
0; Mismatches 3
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Pred. No. 3.3e+02;
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CURRENT APPLICATION NUMBER: US/10/744,055

CURRENT FILING DATE: 2003-12-22

PRIOR APPLICATION NUMBER: US/10/348,346

PRIOR FILING DATE: 2003-04-22

PRIOR APPLICATION NUMBER: US 10/045,360

PRIOR FILING DATE: 2002-01-22

PRIOR APPLICATION NUMBER: US 60/370,008

PRIOR APPLICATION NUMBER: US 60/370,008

PRIOR FILING DATE: 2002-04-03
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Best Local (
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SOFTWARE: PatentIn version 3.1
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INFORMATION FO
SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA ORGANISM: Artificial Sequence FEATURE:
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                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/877,231
                                                               REFERENCE/DOCKET NUMBER: TELECOMMUNICATION INFORMATION: TELEPHONE: 650-236-2386
                                                                                                                            ATTORNEY/AGENT INFORMATION:
NAME: Choi, Wendy A.
REGISTRATION NUMBER: 36,697
                                                                                                                                                                                                                                                                                  FILING DATE: 24-Jun-2004 CLASSIFICATION: Not available PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                          ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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CORRESPONDENCE ADDRESS:
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TELEFAX: 650-852-8063
NN FOR SEQ ID NO: 552:
NCE CHARACTERISTICS:
                                                                                                                                                                                            APPLICATION NUMBER: US/09/784,674
FILING DATE: 15-Feb-2001
APPLICATION NUMBER: 09/021,701
FILING DATE: 10-FEB-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE: Records Manager, Legal Department, Hewlett-Packard
Company M/S 20BO
STREET: 3000 Hanover Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STATE: CA
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Pred. No. 3.3e+02
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LENGTH: 20 base pairs

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; SEQUENCE DESCRIPTION: SEQ ID NO: 553: US-10-877-231-553
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US-10-877-231-553/c
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INFORMATION FOR SEQ ID NO: 553:
SEQUENCE CHARACTERISTICS:
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APPLICANT: Shan
                                                                                                                                                                                                                       APPLICATION NUMBER: US/09/784,674
FILING DATE: 15-Feb-2001
APPLICATION NUMBER: 09/021,701
FILING DATE: 10-FEB-1998
ATTORNEY/AGENT INFORMATION:
NAME: Choi, Wendy A.
REGISTRATION NUMBER: 36,697
REFERENCE/DOCKET NUMBER: 10971464-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-236-2386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: linear MOLECULE TYPE: cDNA HYPOTHETICAL: NO ANTI-SENSE: NO
                                                 TYPE: nucleic acid
STRANDENNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/10/877,231
PILING DATE: 24-Jun-2004
CLASSIFICATION: Not available
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: Patentin Release #1.0, CURRENT APPLICATION DATA:
                                     ANTI-SENSE:
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MEDIUM TYPE: Floppy disk
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TITLE OF INVENTION: Methods for evaluating oligonucleotide
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Company M/S 20BO
STREET: 3000 Hanover Street
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OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                             LENGTH: 20 base pairs
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STRANDEDNESS: single
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Webb, Peter G.
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Pred. No. 3.3e+02;
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                                                                                                                                                                                                 NUMBER OF SEQ ID NOS: 230
SEQ ID NO 116
LENGTH: 20
TYPES.
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CURRENT FILING DATE: 2003-08-18
NUMBER OF SEQ ID NOS: 230
SEQ ID NO 107
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
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Matches
                                                                Matches
                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION
                                                                                                                                                                                                                                                                                                                                                                      Sequence 116, Application US/10643801
Publication No. US20050043524A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local :
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                                                                                                                                                                                                                                               APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
CURRENT APPLICATION NUMBER: US/10/643,801
CURRENT FILING DATE: 2003-08-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Sanjay Bhanot
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION
FILE REFERENCE: RTS-0678US
                                                                                                                                                                         TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FEATURE: OTHER INFORMATION: Antisense Oligonucleotide
                                                                                                                                                            FEATURE:
                                                                          Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
nes 17; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             / Match 0.6%;
Local Similarity 85.0%;
les 17; Conservative
                       1233 ACCACTGTTGTGGGAGAGCC 1252
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                                                             l Similarity
17; Conserv
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ACCACCGTCGTGGGGGAGCC 1
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                                                              Conservative
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                                                           Score 15.2; DB 1;
Pred. No. 3.3e+02;
0; Mismatches 3;
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Pred. No. 3.3e+02
0; Mismatches
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Pred. No. 3.3e+02;
0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 1;
                                                                                          Length 20;
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RESULT 427
US-10-831-901A-1717/c
; Sequence 1717, Application US/10831901A
; Publication No. US20050100885A1
; GENERAL INFORMATION:

APPLICANT: Crooke, Stanley T.

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APPLICANT: Baker, Nrenda F.

APPLICANT: Bennett, C. Frank

ITITLE OF INVENTION: Compositions And Methods For The Treatment Of Severe

ITITLE OF INVENTION: Acute Respiratory Syndrome (SARS)

FILE REFERENCE: ISISO083-100 (BIOL0008US)

CURRENT APPLICATION NUMBER: US/10/831,901A

CURRENT FILING DATE: 2004-04-26

PRIOR APPLICATION NUMBER: 60/466,426

PRIOR APPLICATION NUMBER: 60/466,527

PRIOR APPLICATION NUMBER: 60/469,562

PRIOR APPLICATION NUMBER: 60/468,627

PRIOR APPLICATION NUMBER: 60/468,627

PRIOR APPLICATION NUMBER: 60/468,627
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CURRENT FILING DATE: 2004-04-26
PRIOR APPLICATION NUMBER: 60/466,426
PRIOR FILING DATE: 2003-04-28
PRIOR PILING DATE: 2003-05-06
PRIOR REPLICATION NUMBER: 60/467,770
PRIOR APPLICATION NUMBER: 60/467,770
PRIOR FILING DATE: 2003-05-06
PRIOR FILING DATE: 2003-04-30
PRIOR FILING DATE: 2003-04-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 1718, Application US/10831901A
Publication No. US20050100885A1
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Best Local 8
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SOFTWARE: FREESEQ for Windows Version 4.0
SEQ ID NO 1717
LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: 60/483,579 PRIOR FILING DATE: 2003-06-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: 60/468,627
PRIOR FILING DATE: 2003-05-06
PRIOR APPLICATION NUMBER: 60/477,637
                                                                                                                                                                                                                                                                                                                                                                              APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Bennett, C. Frank
TITLE OF INVENTION: Compositions And Methods For The Treatment Of Severe
TITLE OF INVENTION: Acute Respiratory Syndrome (SARS)
FILE REFERENCE: ISISO083-100 (BIOLO008US)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
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                                                                                                                                                                                                                                                                                                                                Lowery, Kristin Sannes
Swayze, Eric
                                                                                                                                                                                                                                                                                                                                                                            Hofstadler, Steven A.
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Freier, Susan M.
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Baker, Brenda F.
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Freier, Susan
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Baker, Brenda F
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                                                                                                                                                                                                                                                                                                                                                                                                                                        Rangarajan
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Pred. No. 3.3e+02;
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APPLICANT: Bennett, C. Frank
TITLE OF INVENTION: Compositions And Methods For The Treatment Of Severe
TITLE OF INVENTION: Acute Respiratory Syndrome (SARS)
FILE REFERENCE: ISISO083-100 (BIOLO008US)
CURRENT APPLICATION NUMBER: US/10/831,901A
CURRENT FILING DATE: 2004-04-26
PRIOR APPLICATION NUMBER: 60/466,426
PRIOR FILING DATE: 2003-04-28
PRIOR FILING DATE: 2003-04-28
PRIOR FILING DATE: 2003-04-28
PRIOR APPLICATION NUMBER: 60/468,562
PRIOR APPLICATION NUMBER: 60/468,562
PRIOR FILING DATE: 2003-05-06
PRIOR FILING DATE: 2003-04-30
PRIOR APPLICATION NUMBER: 60/477,637
PRIOR APPLICATION NUMBER: 60/483,579
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                                         Query Match
Best Local Similarity
Matches 17; Conserv
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SEQ ID NO 1719
LENGTH: 20
TYPE: DNA
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SEQ ID NO 1718
LENGTH: 20
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Best Local (
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APPLICANT: Ecker, David J.
APPLICANT: Sampath, Rangaraji
APPLICANT: Freier, Susan M.
APPLICANT: Massire, Christian
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PRIOR FILING DATE: 2003-06-10
PRIOR APPLICATION NUMBER: 60/483,579
PRIOR FILING DATE: 2003-06-27
NUMBER: 07-SEQ ID NOS: 30063
                                                                                                                                                                                                                                                                                                     PRIOR FILING DATE: 2003-06-27
NUMBER OF SEQ ID NOS: 30063
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TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                      FEATURE:
OTHER INFORMATION:
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1777 CAAGCCCCTTTATTGCCACT 1796
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Baker, Brenda F.
Bannett, C. Frank
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Freier, Susan M.
Massire, Christian
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Lowery, Kristin Sannes
                                                  Conservative
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                                                                                                                                                      Antisense compound
                                                                     85.0%;
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                                                                   Score 15.2; DB 1
Pred. No. 3.3e+02
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Pred. No. 3
                                                    Mismatches
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                                                                                           DB 1;
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                                                                                         Length 20;
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                                                    Indels
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                                                    Gaps
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RESULT 431
US-10-018-320A-13
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; OTHER INFORMATION: Antisense compound
US-10-831-901A-1720
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                                                                      NUMBER OF SEQ ID NOS: 19
SOFTWARE: PatentIn version 3.1
SEQ ID NO 13
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                  Sequence 13, Application US/10018320A Publication No. US20050130116A1 GENERAL INFORMATION:
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SEQ ID NO 1720
LENGTH: 20
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                                                                                                                                                APPLICANT: Dohmer, Johannes
APPLICANT: Krebsfanger, Niels
APPLICANT: Eichelbaum, Michel
APPLICANT: Eichelbaum, Michel
APPLICANT: Zanger, Ulrich M.
TITLE OF INVENTION: Stable Expression of Polymorphic Forms of Human Cytochrome
TITLE OF INVENTION: P450 2D5 as an Analytical Tool in Preclinical Drug Development
FILE REFERENCE: 01-1637
CURRENT APPLICATION NUMBER: US/10/018,320A
CURRENT FILING DATE: 2001-11-12
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Publication No. US20050100885A1
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CURRENT FILING DATE: 2004-04-26
PRIOR APPLICATION NUMBER: 60/466,426
PRIOR FILING DATE: 2003-04-28
PRIOR APPLICATION NUMBER: 60/468,562
PRIOR FILING DATE: 2003-05-06
PRIOR FILING DATE: 2003-04-30
PRIOR FILING DATE: 2003-04-30
PRIOR FILING DATE: 2003-04-30
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APPLICANT:
APPLICANT:
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TITLE OF INVENTION: Compositions And Methods For The Treatment Of Severe
TITLE OF INVENTION: Acute Respiratory Syndrome (SARS)
FILE REFERENCE: ISISO083-100 (SARS)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: 60/477,637 PRIOR FILING DATE: 2003-06-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: 60/468,627 PRIOR FILING DATE: 2003-05-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Crooke, Stanley T. APPLICANT: Ecker, David J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Artificial Sequence
                          ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
       EATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1778 AAGCCCCTTTATTGCCACTA 1797
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Hofstadler, Steven A.
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Freier, Susan M.
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Swayze, Eric
Baker, Brenda F.
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Pred. No. 3.3e+02;
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Query Match
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; SEQUENCE DESCRIPTION: SEQ ID NO: 153: US-09-961-077-153
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US-09-961-077-153
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Best Local Similarity
Matches 17; Conserv
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Publication No.
                                                                                                                                          TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 153:
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                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 08/679,645
FILING DATE: July 12, 1996
APPLICATION NUMBER: 60/001,135
FILING DATE: July 13, 1995
APPLICATION NUMBER: 08/300,726
FILING DATE: September 2, 1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/961,077
FILING DATE: 21-Sep-2001
CLASSIFICATION: «UDKNOWN»
PRIOR APPLICATION: AUDKNOWN»
PRIOR APPLICATION DATA:
                                                                                                                                                                                             NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 219/247
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
                                                                                                                   SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Zwick, Michael G.
Edington, Brent E.
McSwiggen, James A.
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                                                   LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                              TELEPHONE: (213) 489-160
TELEFAX: (213) 955-0440
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STATE: California
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STREET: 633 West Fifth Street
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b. US20030014775A1
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ilarity 85.0%;
Conservative (
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Merlo, Donald J.
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IN PLANTS
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Pred. No. 3.3e+02;
0; Mismatches 3;
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Length 17;

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US-09-961-077-155
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                                     Best Local Similarity Matches 13; Conserv
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                                                                           Query Match
                                                                                                                                                                  INFORMATION FOR SEQ ID NO: 155:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 08/679,645
FILING DATE: July 12, 1996
APPLICATION NUMBER: 60/001,135
FILING DATE: July 13, 1995
APPLICATION NUMBER: 08/300,726
FILING DATE: September 2, 1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                      NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 219/247
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C.
SOPTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Zwick, Michael G.
Edington, Brent E.
McSwiggen, James A.
Merlo, Patricia Ann Owens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES: 1263
   778 AGAAGTTCCCAGGCA 792
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STATE: California
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 21-Sep-2001
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US/09/961,077
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Merlo, Donald J.
                                                         0.6%;
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                                                           Score 15; DB 1;
Pred. No. 3e+02;
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                                         Mismatches
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                                       0; Indels
                                                                           Length 17;
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US-10-156-306-6950/c
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                                                                                                                                                                        US-10-238-700-2764
                                                                                                                                                                                            RESULT 436
                                                                                                                                                                                                                                                                                                                                                                                                       ; ORGANISM: Homo sapiens
US-10-156-306-6950
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; ORGANISM: Homo sapiens US-10-156-306-6949
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
FILE REFERENCE: MBHB01-664-A (400/050)
CURRENT APPLICATION NUMBER: US/10/156,306
CURRENT FILING DATE: 2002-05-28
                                                                                                             Sequence 2764, Application US/10238700 Publication No. US20030153521A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQ ID NOS: 8013
SOFTWARE: PatentIn version 3.0
SEQ ID NO 6950
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Best Local S
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Publication No. US20030119017A1
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
FILE REFERENCE: 400/057 (WBHB01-1158-A)
CURRENT APPLICATION NUMBER: US/10/238,700
CURRENT FILING DATE: 2002-09-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILE REFERENCE: MBHBO1-664-A (400/050)
CURRENT APPLICATION NUMBER: US/10/156,306
CURRENT FILING DATE: 2002-05-28
NUMBER OF SEQ ID NOS: 8013
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APPLICANT: McSwiggen, James
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
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TYPE: RNA
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                                                                                                                                                                                                                                                                                                                                               Score 15; DB 1;
Pred. No. 3e+02;
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                                                                                                                                                                                                                                                                                                                               Mismatches
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3e+02;
                                                                                                                                                                                                                                                                                                                                                               Length 17;
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RESULT 438
US-10-724-270-1443
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; ORGANISM: Homo sapiens
US-10-498-462-1758
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-238-700-2764
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PRIOR APPLICATION NUMBER: US 60/318,471
PRIOR FILING DATE: 2001-09-10
NUMBER OF SEQ ID NOS: 4666
SOFTWARE: Patentin version 3.0
SEQ ID NO 2764
                                                                                                                                                                                                                                                                                                                                                 Sequence 1443, Application US/10724270 Publication No. US20050080031A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 0.6%;
Best Local Similarity 100.0%;
Matches 15; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQ ID NOS: 3320
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 1758
LENGTH: 17
                                                    APPLICANT: Sirna Therapeutics, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
TITLE OF INVENTION: RAS, HER2 and HIV
FILE REFERENCE: 400/046-US (MEHB02-326-A)
CURRENT APPLICATION NUMBER: US/10/724,270
CURRENT FILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: PCT/US02/16840
PRIOR PILING DATE: 2002-05-29
PRIOR APPLICATION NUMBER: US 60/318,471
PRIOR APPLICATION NUMBER: US 60/318,471
PRIOR APPLICATION NUMBER: US 60/296,249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Guo, Jinjiao
APPLICANT: Guo, Jinjiao
TITLE OF INVENTION: HUMAN PROSTATE CANCER CANDIDATE PROTEIN
FILE REFERENCE: PB01102
CURRENT APPLICATION NUMBER: US/10/498,462
CURRENT FILING DATE: 2004-06-10
PRIOR APPLICATION NUMBER: US 60/339,764
PRIOR FILING DATE: 2001-12-10
PRIOR APPLICATION NUMBER: PCT/US02/37506
PRIOR APPLICATION NUMBER: PCT/US02/37506
PRIOR FILING DATE: 2002-11-22
PRIOR FILING DATE: 2002-11-22
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                                             PRIOR
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                                      APPLICATION NUMBER: US 60/294,140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    727
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: 2001-05-29
NUMBER: US :
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Pred. No. 3e+02;
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3e+02;
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US-08-887-505-145/c
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                                                                           Sequence 145, Application US/08887505
Publication No. US20020081577A1
GENERAL INFORMATION:
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APPLICANT: APPLICANT: APPLICANT: APPLICANT:

Frank, Bruce L. Goodchild, Johr Wolfe, Jia L.

Kilkuskie, Robert E.

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; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 14
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE: INFORMATION: Description of Artificial Sequence: PCR Primer US-09-938-689-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; SOFTWARE: PatentIn version 3.0; SEQ ID NO 1443; LENGTH: 17; TYPE: RNA; ORGANISM: Homo sapiens US-10-724-270-1443
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US-09-938-689-14/c
                                                                                                                                                                                                                                                                                                                                                            FILE REFERENCE: 9342-028

CURRENT APPLICATION NUMBER: US/09/938,689

CURRENT FILING DATE: 2001-08-23

PRIOR APPLICATION NUMBER: 09/651,361

PRIOR FILING DATE: 2000-08-30

PRIOR APPLICATION NUMBER: 60/151,688

PRIOR FILING DATE: 1999-08-31

NUMBER OF SEQ ID NOS: 72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: US 10/163,552
PRIOR FILLING DATE: 2002-06-06
PRIOR PILLING DATE: 2002-06-06
PRIOR FILLING DATE: 2002-05-29
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR APPLICATION NUMBER: US 10/417,012
PRIOR FILLING DATE: 2003-04-16
PRIOR FILLING DATE: 2003-04-16
                                                                Query Match
Best Local Similarity 100.0%;
Matches 15; Conservative
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Best Local Similarity 93.3%;
Matches 14; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Huang, Manley
APPLICANT: Harding, Fiona
APPLICANT: Harding, Fiona
TITLE OF INVENTION: TRANSCENIC MAMMAL CAPABLE OF FACILITATING PRODUCTION OF
TITLE OF INVENTION: DONOR-SPECIFIC FUNCTIONAL IMMUNITY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Remaining Prior Application data NUMBER OF SEQ ID NOS: 6810
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                          1423 GAGGAACCAGCTGCA 1437
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15 GAGGAACCAGCTGCA 1
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                                                                                                           0.6%; Score 15; DB 1;
00.0%; Pred. No. 3.4e+02
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Pred. No. 3e+02;
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                                                                                          Mismatches
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                                                                                                                                Length 20
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APPLICANT: Hamlin, Jr., Henry A.
APPLICANT: Roberts, No. US20020081577A11 A.
APPLICANT: Walther, Debra M.
TITLE OF INVENTION: OLICONUCLEOTIDES SPECIFIC

FOR

Roberts, Peter C.

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GENERAL INFORMATION:
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APPLICANT: NISHIDA, MICHIO
TITLE OF INVENTION: KIT AND METHOD FOR DETERMINING FILE REFERENCE: 1314OP1174
CURRENT APPLICATION NUMBER: US/10/297,068
CURRENT FILING DATE: 2002-11-27
PRIOR APPLICATION NUMBER: JP 2000-164798
PRIOR FILING DATE: 2000-06-01
NUMBER OF SEQ ID NOS: 1298
SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                                                                                       -10-297-068-352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            -08-887-505-145
                                                                                                                                                                                                                     APPLICANT: INOKO, Hidetoshi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: (617) 526-50
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HYPOTHETICAL: NO
ANTI-SENSE: YES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
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PRIOR APPLICATION UDATA:
APPLICATION UNMBER: US 08/471,968
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
ATTORNEY/AGENT INFORMATION:
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CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                        Local
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REFERENCE/DOCKET NUMBER: HYZ-040CIP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Kerner, Ann-Louise
REGISTRATION NUMBER: 33,
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OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STRANDEDNESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY:
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ICHIHARA, Tatвuo
Matsumura, Yoshiyuki
MORIYA, Shogo
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IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
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Pred. No. 3
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FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:capture
US-10-297-068-352
                                      US-08-983-605-55
                                                                                                                                                                                                                                                                                                                                                                                           US-08-983-605-55/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: PCR primer US-10-813-203-1
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Best Local S
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                                                                                                              SEQ ID NO 55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local
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 Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: SIGNAL F
APPLICANT: SAH, Di
APPLICANT: GAGE, F
APPLICANT: RAY, Ja
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                           TITLE OF INVENTION: Microsatellite Markers for Plants of the Species
TITLE OF INVENTION: Triticum Aestivum and Tribe Triticase and the Use
TITLE OF INVENTION: Said Markers
FILE REFERNCE: 2936.10400
CURRENT APPLICATION NUMBER: US/08/983,605A
CURRENT FILING DATE: 1998-05-01
EARLIER FILING DATE: 1995-06-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/10/813,203
CURRENT FILING DATE: 2004-03-29
PRICE APPLICATION NUMBER: US 08/711,628
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: SAH, Dinah W. Y.
APPLICANT: GAGE, Fred H.
APPLICANT: RAY, Jasodhara
APPLICANT: RAY, Jasodhara
TITLE OF INVENTION: HUMAN CNS CELL LINES AND METHODS OF USE THEREFOR FILE REFERENCE: REGEN1610-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQ ID NOS: 16
SOFTWARE: PatentIn version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR FILING DATE: 1996-09-03
                                                                                                                                   SOFTWARE:
                                                                         TYPE: DNA
                                                                                                                                                                                                                                                                                                                     APPLICANT: Roder, Marion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 18
TYPE: DNA
ORGANISM: Artificial sequence
FEATURE:
                                                      ORGANISM: Triticum aestivum
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                                                                                            LENGTH: 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Application US/10813203
                                                                                                                                                                                                                                                                                                                                                          Application US/08983605A
lo. US20020066118A1
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Pred. No. 3.
 Score 14.8;
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Pred. No. 3
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Length 19;
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RESULT 445
US-09-966-147-22/c
; Sequence 22, Application US/09966147
; Patent No. US20020146416A1
; GENERAL INFORMATION:
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US-09-901-484A-476
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TITLE OF INVENTION: Prostate Cancer Gene
FILE REFERENCE: GEN-TI11XC3D2
CURRENT APPLICATION NUMBER: US/09/901,484A
CURRENT FILING DATE: 2001-07-09
PRIOR APPLICATION NUMBER: US 08/996,306
PRIOR TILING DATE: 1997-12-22
PRIOR APPLICATION NUMBER: US 60/099,658
PRIOR APPLICATION NUMBER: US 60/099,658
PRIOR FILING DATE: 1998-09-09
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Best Local Similarity
Matches 16; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: US 09/853,526
PRIOR FILING DATE: 2001-05-11
NUMBER OF SEQ ID NOS: 578
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PRIOR FILING DATE: 1998-12-22
PRIOR APPLICATION NUMBER: US 09/338,907
PRIOR FILING DATE: 1999-06-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Cohen, Daniel APPLICANT: Blumenfeld,
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NAME/KEY: misc_feature
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
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                                                                                                               TITLE OF INVENTION: HUMAN trk RECEPTORS AND NEUROTROPHIC FACTOR INHIBITORS NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe, Martens, Olson & Bear, LLP
STREET: 620 Newport Center Drive, 16th Floor
CITY: Newport Beach
STATE: California
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                APPLICANT: Presta, Leonard G.
Shelton, David L.
Urfer, Roman
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                                                                                 COUNTRY: USA
ZIP: 92660
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Pred. No. 3.4e+02;
0; Mismatches 2;
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0; Mismatches 2;
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PRIOR FILING DATE: 1998-12-22
NUMBER OF SEQ ID NOS: 578
SOFTWARE: Patent.pm
SEQ ID NO 476
LENGTH: 19
TYPE: DNA
ORGANISM: Homo Sapiens
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Best Local Similarity
Matches 16; Conserva
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                                                                                                                                                                                                                                                                                                               APPLICANT: BOUGUELERE, Lydie
TITLE OF INVENTION: PROSTATE
FILE REFERENCE: GENSET.18CPLCP
CURRENT APPLICATION NUMBER: US/09/853,526
CURRENT FILING DATE: 2001-05-11
PRIOR APPLICATION NUMBER: 09/338,907
PRIOR APPLICATION NUMBER: 08/996,306
PRIOR APPLICATION NUMBER: 08/996,306
PRIOR APPLICATION NUMBER: 08/996,306
PRIOR APPLICATION NUMBER: 09/96,58
PRIOR APPLICATION NUMBER: 60/09,658
PRIOR APPLICATION NUMBER: 60/09,658
PRIOR APPLICATION NUMBER: 09/218,207
PRIOR APPLICATION NUMBER: 09/218,207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-853-526-476
Query Match 0.6%;
Best Local Similarity 88.9%;
Matches 16; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Cohen, Daniel APPLICANT: Blumenfeld,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
                                                                                                                       FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..19
                                                                                                  OTHER INFORMATION: microsequencing
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TELEPAX: (415) 954-4111
INFORMATION FOR SEQ ID NO: 22:
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APPLICATION NUMBER: 08/446172

FILING DATE: 19-MXY-1995

APPLICATION NUMBER: 08/286846

FILING DATE: 05-AUG-1994

APPLICATION NUMBER: 08/215139

FILING DATE: 18-MAR-1994

ATTORNEY/AGENT IN-MAR-1994
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REGISTRATION NUMBER: 33,055
REFERENCE/DOCKET NUMBER: GENENT.33CPC4C
TELECOMMUNICATION INFORMATION:
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APPLICATION NUMBER: US/09/966,147
PILING DATE: 27-Sep-2000
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
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STRANDEDNESS: Single
TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ilya, Chumakov
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Pred. No. 3.4e
0; Mismatches
                    Score 14.8; DB 1;
Pred. No. 3.4e+02;
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                                           DB 1;
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  Gaps
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US-09-864-954D-8
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Best Local Similarity 88.9%;
Matches 16; Conservative
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                                                                                                                         Query Match
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                                                                                                                                                                                                                                                                                                        APPLICANT: Whitehead, Alexander Steven
TITLE OF INVENTION: METHODS FOR DETERMINING STEROID RESPONSIVENESS
FILE REFERENCE: UPA-008
CURRENT APPLICATION NUMBER: US/10/045,360
CURRENT FILING DATE: 2002-01-22
NUMBER OF SEQ ID NOS: 23
NUMBER OF SEQ ID NOS: 23
SOFTWARE: Patentin version 3.0
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SOFTWARE: PatentIn Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: EP00110953.7 PRIOR PILING DATE: 2000-05-26 PRIOR APPLICATION NUMBER: EP00115369.1 PRIOR FILING DATE: 2000-07-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILE REFERENCE: Case 20678
CURRENT APPLICATION NUMBER: US/09/864,954D
CURRENT FILING DATE: 2001-05-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: A nucleic acid which is upregulated in human tumor TITLE OF INVENTION: cells, a protein encoded thereby and a process for TITLE OF INVENTION: tumor diagnosis
                                                                                                                                                                                                       TYPE: DNA ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA ORGANISM: Artificial Sequence
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                                                                           Local Similarity 88.9
                                      1630 GGCTCAGCTAACCTCTCT 1647
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Josef Preiherr (Deceased)
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                                                                             Score 14.8; D
Pred. No. 3.4e
0; Mismatches
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Pred. No. 3.4e+02;
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                                                                                                 3.4e+02;
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RESULT 449

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                                                                                                                                                                                                       Sequence 22, Application US/10698597 Publication No. US20040058416A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
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Publication No. US20030157099A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
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SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/374,469
FILING DATE: 24-Feb-2003
CLASSIFICATION: «Unknown»
PRIOR APPLICATION DATA:
APPLICATION UNMBER: US/09/966,147
FILING DATE: 27-Sep-2000
APPLICATION NUMBER: 08/446172
FILING DATE: 19-MAY-1995
FILING DATE: 19-MAY-1995
APPLICATION NUMBER: 08/286846
FILING DATE: 05-AUG-1994
APPLICATION NUMBER: 08/2815139
FILING DATE: 18-MAR-1994
APPLICATION NUMBER: 08-215139
FILING DATE: 18-MAR-1994
APPLICATION UNMBER: 08-215139
FILING DATE: 18-MAR-1994
APPLICATION TARGET CATORITY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: Linear SEQUENCE DESCRIPTION: SEQ ID NO: 22:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: Dreger, Ginger
REGISTRATION NUMBER: 33,055
REFERENCE/DOCKET NUMBER: GEN
TELECOMMUNICATION INFORMATION:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive 16th Floor
                                                                                           TITLE OF INVENTION: Human trk Receptors and Neurotrophic Factor Inhibitors
                                                                                                                                                               APPLICANT: Presta, Leonard G.
Shelton, David L.
                                                                                                                                                                                                                                                                                                                                                                                                                       2124 CTCAGCCTTGGCCTGGAG 2141
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                                                                        NUMBER OF SEQUENCES: 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    16;
                                                                                                                                                                                                                                                                                                                                                                              19 CTCACCCTTGGCCTGGCG 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 19 base pairs
TYPE: Nucleic Acid
STRANDEDNESS: Single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: WinPatin (Genentech)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: Knobbe, Martens, Olson & Bear, LLP
STREET: 620 Newport Center Drive, 16th Floor
CITY: Newport Beach
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
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                                                                                                                                           Shelton, Dav
Urfer, Roman
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             954-4114
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Pred. No. 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENENT. 33CPC4C
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                                                                                                          SOFTWARE: P
SEQ ID NO 17
                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 17, Application US/10348346 Publication No. US20040072181A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
                                                                                                                                                                                                    APPLICANT: LAZAT, James G.
TITLE OF INVENTION: METHODS FOR DETERMINING
FILE REFERENCE: UPA-009
CURRENT APPLICATION NUMBER: US/10/348,346
CURRENT FILING DATE: 2003-04-22
PRIOR APPLICATION NUMBER: US 10/045,360
PRIOR PILING DATE: 2002-01-22
PRIOR FILING DATE: 2002-01-22
                                                                                                                                                    PRIOR APPLICATION NUMBER: US 60/370,008
PRIOR FILING DATE: 2002-04-03
NUMBER OF SEQ ID NOS: 29
                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Whitehead, Alexander Steven APPLICANT: Challberg, Sharon S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10-348-346-17/c
                                          ORGANISM: Artificial Sequence
                                                                    TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  INFORMATION FOR SEQ ID NO: 22: SEQUENCE CHARACTERISTICS:
OTHER INFORMATION: PCR mutagenesis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2124 CTCAGCCTTGGCCTGGAG 2141
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb |
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Dreger, Ginger
REGISTRATION NUMBER: 33,055
REFERENCE/DOCKET NUMBER: GET
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           16;
                                                                                                                                PatentIn version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CTCACCCTTGGCCTGGCG 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 19 base pairs
TYPE: Nucleic Acid
STRANDEDNESS: Single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US/09/724,524
FILING DATE: 27-NO. US20040058416A1-2000
APPLICATION NUMBER: 09/156,923
FILING DATE: 18-SEP-1998
APPLICATION NUMBER: 08/359,705
FILING DATE: 20-DEC-1994
APPLICATION NUMBER: 08/359,705
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US/10/698,597 FILING DATE: 31-Oct-2003 CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 08/286846
FILING DATE: 10-AUG-1994
APPLICATION NUMBER: 08/215139
FILING DATE: 18-MAR-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: 949/760-9502
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: Newport Beach
STATE: California
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Pred. No. 3
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                                                                                                                       US-10-683-990-154
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQ ID NO 57
LENGTH: 19
TYPE: RNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: US 60/393,796
PRIOR FILING DATE: 2002-07-03
PRIOR APPLICATION NUMBER: US 60/399,348
PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-05
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                                                                              Sequence 154, Application US/10683990 Publication No. US20040198682A1
                                                               GENERAL
                                                                                                                                                                                                                                                                                               Matches
                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
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                     APPLICANT: Sirna Therapeutics APPLICANT: McSwiggen, James
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Usman, Nassim
APPLICANT: Pavco, Pamela
TITLE OF INVENTION: RUA Interference Mediated Inhibition of Placental Growth Factor
TITLE OF INVENTION: Gene Expression Using Short Interfering Nucleic Acid (siNA)
FILE REFERENCE: 400/134 (02-742-H)
CURRENT APPLICATION NUMBER: US/10/683,990
CURRENT FILING DATE: 2003-10-10
PRIOR APPLICATION NUMBER: PCT/US03/05022
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2003-02-20
PRIOR FILING DATE: 2002-02-20
PRIOR FILING DATE: 2002-02-20
PRIOR FILING DATE: 2002-02-20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local
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SOFTWARE: PatentIn version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Sirna Therapeutics APPLICANT: McSwiggen, James
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: US 60/363,124 PRIOR FILING DATE: 2002-03-11
                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                    FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local
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                                                            INFORMATION:
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  McSwiggen, Jar
Usman, Nassim
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                                                                                                                                                                                                                                                                                                              Score 14.8;
Pred. No. 3
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0; Mismatches
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Pred. No. 3.4e+02;
                                                                                                                                                                                                                                                                                          Mismatches
                                                                                                                                                                                                                                                                                                              4e+02
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                                                                                                                                                                                                                                                                                                                               DB 1;
                                                                                                                                                                                                                                                                                                                             Length 19;
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; OTHER INFORMATION: PCR mutagenesis US-10-744-055-17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 17, Application US/10744055 Publication No. US20040203031A1 GENERAL INFORMATION:
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Matches
                                                                                                             SEQ ID NO 17
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 154
                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/10/744,055
CURRENT FILING DATE: 2003-12-22
PRIOR PPLICATION NUMBER: US/10/348,346
PRIOR FILING DATE: 2003-04-22
PRIOR APPLICATION NUMBER: US 10/045,360
PRIOR FILING DATE: 2002-01-22
PRIOR FILING DATE: 2002-01-22
                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Whitehead, Alexander Steven
APPLICANT: Challberg, Sharon S.
APPLICANT: Lazar, James G.
TITLE OF INVENTION: METHODS FOR DETERMINING DRUG RESPONSIVENESS
                                                                                                                                                          PRIOR FILING DATE: 2002-04-03
NUMBER OF SEQ ID NOS: 29
SOFTWARE: PatentIn version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Remaining Prior Application data removed NUMBER OF SEQ ID NOS: 256
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PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2002-06-06
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TITLE OF INVENTION: Gene Expression Using SHort Interfering Nucleic Acid (sina)
FILE REFERENCE: 400/134 (02-742-H)
CURRENT APPLICATION NUMBER: US/10/683,990
CURRENT FILING DATE: 2003-10-10
PRIOR APPLICATION NUMBER: PCT/US03/05022
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PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: US 60/370,008
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ORGANISM: Artificial Sequence
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                                                 TYPE: DNA ORGANISM: Artificial Sequence
                                          FEATURE:
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Pred. No. 3
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Query Match
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US-10-923-115-3/c
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PRIOR APPLICATION NUMBER: US/10/923,115
CURRENT FILING DATE: 2004-08-20
PRIOR APPLICATION NUMBER: PCT/US 03/05162
PRIOR FILING DATE: 2003-02-20
PRIOR PRIOR PRIOR NUMBER: PCT/US 04/16390
PRIOR PRIOR PRIOR DATE: 2004-05-24
PRIOR PRIOR PRIOR DATE: 2004-04-16
PRIOR PRIOR PRIOR DATE: 2004-04-16
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PRIOR PRIOR DATE: 2004-01-14
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PRIOR PRIOR PRIOR DATE: 2004-01-14
PRIOR PRIOR PRIOR DATE: 2004-01-14
PRIOR PRIOR PRIOR DATE: 2003-11-24
PRIOR PILING DATE: 2003-11-24
Sequence 119, Application US/10923115 Publication No. US20050079610A1 GENERAL INFORMATION:
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APPLICANT: Sirna Therapeutics,
APPLICANT: Polisky, Barry
APPLICANT: McSwiggen, James
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Publication No
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PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
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PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
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APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of FOS Gene Expression
TITLE OF INVENTION: Using Short Interfering Nucleic Acid (sina)
FILE REFERENCE: 400/193 (MBHB03-194-A)
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                                                                                                                                                                                                                                                                                                                                                                   TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                            OTHER INFORMATION: Description of Artificial Sequence:
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16; Conservative
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No. US20050079610A1
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Pred. No. 3.4e+02;
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Pred. No. 3
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APPLICANT: Sirna Therapeutics, Inc. APPLICANT: Polisky, Barry

Polisky, Barry McSwiggen, James Beigelman, Leoni

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NUMBER OF SEQ ID NOS: 358
SOFTWARE: PatentIn version 3.2
SEQ ID NO 119
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Best Local
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CURRENT FILING DATE: 2004-08-20
PRIOR APPLICATION NUMBER: PCT/US 03/05162
PRIOR FILING DATE: 2003-02-20
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PRIOR TILING DATE: 2004-05-24
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2004-04-16
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PRIOR APPLICATION NUMBER: US 10/826,966
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                                                                                                            APPLICATION NUMBER: US 10/720,448 FILING DATE: 2003-11-24
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APPLICATION NUMBER: US 10/444,853 FILING DATE: 2003-05-23 APPLICATION NUMBER: PCT/US03/0534
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  PCT/US03/05346
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Pred. No. 3.4e+02
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US-10-888-226-702
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PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR APPLICATION POWNER: 0203-02-20
PRIOR APPLICATION NUMBER: US 60/358580
PRIOR FILING DATE: 2002-02-20
Remaining Prior Application adda removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 955
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PRIOR APPLICATION NUMBER: PCT/US04/16390
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-01-14
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                                                                                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: US 60/358580 PRIOR FILING DATE: 2002-02-20
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TYPE: RNA
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                                                                                      OTHER INFORMATION: Description of Artificial Sequence:
                                                                                                        ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                  TYPE: RNA
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                                                                                                                                                                        LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 2003-10-23
APPLICATION NUMBER: US 10/444,853
                                                                                                                                                                                                                                                                                                                          FILING DATE: 2003-02-20
                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: PCT/US03/05028
                                                                                                                                                                                                                                                                                                                                                                  FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: PCT/US03/05346
                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 2003-05-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US 10/693,059
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US 10/720,448 FILING DATE: 2003-11-24
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                                                                                                                                                                                                                  version 3.3
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0.6%; Score 14.8; DB 1;
6.7%; Pred. No. 3.4e+02;
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Pred. No. 3.4e+02;
0; Mismatches 2;
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US-10-923-522-6/c
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; TYPE: DNA
; ORGANISM: Triticum sp.
US-10-697-527-55
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publication No. US20040146898A1
GENERAL INFORMATION:
APPLICANT: Roder, Marion
TITLE OF INVENTION: MICROSATELLITE MARKERS FOR PLANTS OF THE SPECIES TRITICUM AESTIVUTITE OF INVENTION: GENUS TRITICEAE AND THE USE OF SAID MARKERS
FILE REFERENCE: US 08/983,605
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                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: PCT/DE96/01185
PRIOR FILING DATE: 1996-06-27
PRIOR APPLICATION NUMBER: DE 195 25 284.5
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CURRENT APPLICATION NUMBER: US/10/505,030
CURRENT FILING DATE: 2004-08-16
CURRENT FILING DATE: PCT/DE 03/00415
PRIOR APPLICATION NUMBER: PCT/DE 03/00415
PRIOR APPLICATION NUMBER: 102 06 723.6
                                                                                                                                                                                                                                                                                                                           PRIOR FILING DATE: 1995-06-28
NUMBER OF SEQ ID NOS: 466
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CURRENT FILING DATE: 2003-10-30
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TITLE OF INVENTION: CENTRAL NERVOUS SYSTEM
                                                                                                                                                                                                                                                                                                            SOFTWARE: PatentIn version 3.1
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Pred. No. 3.4e+02;
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Pred. No. 3.4e+02;
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US-10-923-522-6
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CURRENT APPLICATION NUMBER: US/10/923,522
CURRENT FILING DATE: 2004-08-20
PRIOR APPLICATION NUMBER: PCT/US 03/05234
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 60/439,922
PRIOR FILING DATE: 2003-01-14
PRIOR APPLICATION NUMBER: US 60/404,039
PRIOR APPLICATION NUMBER: US 60/404,039
PRIOR APPLICATION NUMBER: PCT/US 04/16390
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APPLICANT: Sirna The
APPLICANT: McSwigge
APPLICANT: Chowrira
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Best Local Similarity
Matches 16; Conserv
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LENGTH: 19
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Publication No
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                                                             CURRENT APPLICATION NUMBER: US/10/923,522
CURRENT FILING DATE: 2004-08-20
PRIOR APPLICATION NUMBER: PCT/US 03/05234
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 60/439,922
PRIOR FILING DATE: 2003-01-14
                                                                                                                                                                                                      APPLICANT: Chowrira, Bharat
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition
TITLE OF INVENTION: Gene Expression Using Short Interference Reference: 400/192 (MBHB03-026-B)
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SOFTWARE: PatentIn version 3.3
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PRIOR APPLICATION NUMBER: PCT/US03/05346
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PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2004-04-16
                                            PRIOR APPLICATION NUMBER: US 60/404,039
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FILING DATE: 2003-10-23
APPLICATION NUMBER: US 10/444,853
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No. US20050159381A1
                                                                                                                                                                                                                                                                                                    McSwiggen, James
Chowrira, Bharat
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PCT/US 04/16390
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Pred. No. 3
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ORGANISM: Artificial Sequence

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                 SOFTWARE: PatentIn version 3.3 SEQ ID NO 568 LENGTH: 19
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PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 60/439,922
PRIOR FILING DATE: 2003-01-14
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SOFTWARE: PatentIn version 3.3
                                                                                                        PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
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                                                                      Remaining Prior Application data NUMBER OF SEQ ID NOS: 1779
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TYPE: RNA
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                                                                                                                                               APPLICATION NUMBER: US 10/693,059
FILING DATE: 2003-L0-23
APPLICATION NUMBER: US 10/444,853
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NUMBER OF SEQ ID NOS: 1779
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PRIOR APPLICATION NUMBER: PCT/US 03/05234
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TITLE OF INVENTION: RNA Interference Mediated Inhibition of Chromosome
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                         WPI; 2002-257383/30.
                                     Shoshan A, Wasserman
                                                            28-JUL-2000; 2000US-0221607P
02-MAY-2001; 2001US-0287724P
                                                                              20-JUL-2001; 2001WO-IB001903.
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                                                                                                                             Human; mouse; rat; splice transcript; detection; RNA transcript; splice variant; transcriptome; oligonucleotide library; ss.
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CC transcription units that populate a genome. The library comprises several
CC oligonucleotides, each capable of hybridising selectively to a set of
CC messenger RNAs transcribed from a given transcription unit of the genome,
CC which encodes one or more messenger RNA splice variants. The
CC oligonucleotide libraries are useful for detecting mRNAs from a
CC detecting RNA transcripts and splice variants of numan or animal
CC transcriptomes. The libraries may also be used as specialised mini
CC libraries to detect transcripts of a sub-transcriptome under a particular
CC libraries to detect transcripts of a sub-transcriptome under a particular
CC developmental specific genes such as those genes only expressed in
CC developmental specific genes; and to detect RNA transcripts and splice
CC variants of a transcriptome of a pattent suffering from a particular
CC developmental specific genes; and to detect RNA transcripts and splice
CC variants of a transcriptome of a pattent suffering from a particular
CC disorder. ABN27253 to ABN9589 represent oligonucleotide sequences from
CC rate, humans and mice, which are used in the exemplification of the
CC present invention. N.B. The sequence data for this patent did not form
CC gart of the printed specification, but was obtained in electronic format
CC directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
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said
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                                                                                                                                                                                                                                  WPI; 2003-460750/44.
                                                                                                                                                                                                                                                                                                                                                             30-AUG-2000; 2000JP-00260818.
01-NOV-2000; 2000JP-00334042.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; ss; psoriasis; Psoriasis-related gene; body map; EST; expressed sequence tag.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human psoriasis related genes EST
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                                                                                                                           of which expression changes in Psoriasis and examination directed gene, a recombinant vector, a host cell.
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Pred. No.
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The invention relates to detection of psoriasis by determining the

Claim 7; SEQ ID NO 4; 27pp; Japanese.

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RESULT 3
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Matches 60
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 65
                                                            A single-stranded DNA (or its complementary strand or the corresp. double stranded DNA) which comprises one of the 7837 "GS" sequences given in ART19001-T26837 and which is able to hybridise to part of human genomic DNA, cDNA or mRNA is claimed. The GS (Gene Signature) sequences were obtained from 3'-directed cDNA libraries prepared from various human tissues; synthesis of cDNA was initiated from the 3'-end of mRNA by section the goly (T) as the sole primer. Since the 3'- untranslated sequence is unique to a particular mRNA species, almost all the 3'-oriented cDNAs hybridise with specific mRNAs. Each library is constructed so as to reflect accurately the relative abundance of different mRNAs in the particular tissue from which it was derived. The appearance frequency of a given GS in a cDNA library can be determined (esp. using primers and probes in a cDNA library can be determined (esp. using primers and probes in a cDNA library can be determined (esp. using primers and probes in a cDNA library can be determined (esp. using primers and probes in a cDNA library can be determined (esp. using primers and probes in a cDNA library can be determined (esp. using primers and probes in a cDNA library can be determined (esp. using primers and probes in a cDNA library can be determined (esp. using primers and probes in a cDNA library can be determined (esp. using primers and probes in a cDNA library can be determined (esp. using primers and probes in a cDNA library can be determined (esp. using primers and probes in a cDNA library can be determined (esp. using primers and probes in a cDNA library can be determined (esp. using primers and probes in a cDNA library can be determined (esp. using primers and probes in a cDNA library can be determined (esp. using primers and probes in a cDNA library can be determined (esp. using primers and probes in a cDNA library can be determined (esp. using primers and probes in a cDNA library can be determined (esp. using primers and probes in a cDNA library can be determined to the cDNA 
                                                                                                                                                                                                                                                                                                                                                                                                                             Single-stranded DNA for identifying gene signatures - isolated directed human cDNA library that reflects relative abundance of mRNA in specific human tissues.
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human; cloning;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12-NOV-1993;
                                                                                                                                                                                                                                                                                                                                                                                         Claim 1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matsubara K,
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                                                                                                                                                                                                                                                                                                                                                                                           721;
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RESULT 4
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                                                                                  The present invention relates to oligonucleotides encoding polymorphic covariants of proteins related to amylases, amyloid proteins, angiopoietin, angiopoietin, apoptosis related proteins, cadherin, cyclin, polymerase, oncogenes, capoptosis related proteins, cadherin, cyclin, polymerase, oncogenes, chistones, kinases, colony stimulating factors, complement related comproteins, cytochromes, kinesins, cytokines, interferons, interleukins, grotein coupled receptors and thioesterases. The present sequence is one component sequence is one component by the set of the protein sequence is one component by the set of the proteins of the proteins of diseases consociated with inappropriate expression of the proteins listed above. Componented with inappropriate expression of the proteins listed above. Componers that may be prevented, diagnosed and/or treated include componented components, such as autoimmune components (algebrases) and crave's diseases) inflammation, cancer componers of the bladder, brain, breast, colon and kidney, cancer components cancer so the bladder, brain, breast, colon and kidney, cancer so the bladder, brain, breast, colon and kidney, cancer so the bladder, brain, breast, colon and kidney.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Polymorphic nucleic acids encoding e.g. amylases, oncogenes and histones, useful for diagnosing and autoimmune diseases and infections.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          28-DEC-1999; 99US-0173419P
27-DEC-2000; 2000US-00173419
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; Pred. No. 0.00
0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cyclins, polymerases, treating, e.g. cancer
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                                                                                                                              RESULT 5
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                                                                                                                                                      The invention relates to human diacylglycerol acyltransferase 2 (DGAT2) CC family members and their uses. DGAT2 family member sequences or their modulators are useful for diagnosing and treating a subject with a CC disorder associated with the aberrant DGAT family member polypeptide activity or nucleic acid expression, such as a disorder associated with CC activity, diabetes, aberrant lipogenesis or triglyceride synthesis, or cardiovascular disorder (e.g. atherosclerosis, coronary artery disease, thypertension, heart failure, atrial fibrillation, arrhythmias, dilated cardiomyopathy, iddopathic cardiomyopathy or angina). The invention is CC cardiomyopathy, iddopathic cardiomyopathy or angina). The invention is CC cardiomyopathy, in predictive medicine (e.g. diagnostic assays, coronascome mapping, cor in forensic biology), in predictive medicine (e.g. diagnostic assays, monitoring clinical trials or pharmacogenetics), or as surrogate markers (e.g. markers of disease states or markers of drug activity). The present sequence is human DGAT2 gene specific PCR probe.
                                                                         Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; diacylglycerol acyltransferase 2; DGAT2; obesity; arrhythmia; coronary artery disease; hypertension; heart failure; tissue typing; aberrant lipogenesis; cardiovascular disorder; atherosclerosis; angina; atrial fibrillation; dilated cardiomyopathy; idiopathic cardiomyopathy; diabetes; chromosome mapping; forensic biology; PCR; probe; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                             Example 3; Page 100; 154pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              triglyceride synthesis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New human diacylglycerol acyltransferase 2 (DGAT2) family member polypeptide and nucleic acid molecules, useful for diagnosing and treating obesity, diabetes, atherosclerosis, aberrant lipogenesis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2003-559092/52.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              19-DEC-2001; 2001US-0341947P.
19-SEP-2002; 2002US-0411859P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            19-DEC-2002; 2002WO-US040974.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human 86606
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                              1800
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MILLENNIUM PHARM INC
                 CCACGCTCGTCTAGTCCTGAAACTGCAG 1827
                                                                                                                              28
CCACGCTCGTCTAGTCCTGAAACTGCAG 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              BP; 6 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DGAT2 gene specific PCR probe
                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               7
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                                                                              1.2%;
                                                                                                                              10 C; 6
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                                                                           Score 28;
Pred. No.
                                                                                                                              G; 6 T; 0
                                                               Mismatches
                                                                                                                              U; 0 Other;
                                                                                              DB 1;
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                                                                                              Length 28
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                                                                                                                                                                                                                                                                                                                                           Sequences AAX06101-X06558 represent human DNA fragments which contain CC biallelic polymorphic markers. The base occupying the polymorphic site is condicated by the appropriate IUPAC-IUB ambiguity code. These fragments CC indicated by the appropriate IUPAC-IUB ambiguity code. These fragments CC can be used in a method for determining polymorphic forms in an CC individual. The invention further provides computer-readable storage medium for storing data for access by an application programme being executed on a data processing system. Such a method comprises a data structure stored in the computer-readable storage medium, the data structure including information resident in a database used by the application programme and including records, each record comprising information identifying a polymorphism shown in the above sequences. The products and methods can be used for analysing polymorphic sites in individuals for testing for the presence of a disease phenotype or in CC forensics, paternity testing or genetic mapping of phenotype or in the card segments and for the production of transgenic animals. The nucleic variant genes and for the production of transgenic animals. The nucleic structure of medicaments for the
                                                                                                                                                                                                                           Query Match
Best Local S
Matches 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New nucleic acid segments containing polymorphic sites - used for, e.g. detecting a disease phenotype, in forensics, paternity testing or genetic mapping of phenotypic traits.
15-JUL-2004
                                    ADO42529;
                                                                    ADO42529
                                                                                                                                                                                                                                                                                                Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 1999-080963/07.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         polymorphism; biallelia; paternity testing; for
phenotypic typing; medicament; disease; marker;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human biallelic polymorphic DNA fragment SGC33608
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                                                                                                                                                          28
                                                                                                                                                                                                                           l Similarity
27; Conserv
                                                                    standard;
                                                                                                                                                          CTTCGGGGCCAAYTCCCTGGAGGAACCA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Page 25; 61pp; English
                                                                                                                                                                                                                                                                                              31 BP; 4 A; 9 C; 10 G; 7 T; 0 U; 1 Other;
                                                                                                                                                                                                                                                                                                                                  e
                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                prophylaxis of diseases
(first entry)
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                                                                   DNA; 27
                                                                                                                                                                                                                                        1.18;
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                                                                    ВP
                                                                                                                                                                                                                           Score 27.6; DB 1; Length 31; Pred. No. 2.4; Indels
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ker; human; ss.
                                                                                                                                                                                                                             0
                                                                                                                                                                                                                         Gaps
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NOVX probe

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Human; NOVX; ss; cancer; atherosclerosis; diabetes; Alzheimer's Parkinson's disease; graft-versus-host disease; scleroderma; hypertension; haemophilia; idiopathic thrombocytopenic purpura; immunodeficiency; AIDS; dyslipidemia; obesity; Crohn's disease; bronchial asthma; anorexia; cancer-associated cachexia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              sclerosis; fertility; probe.
2001US-0336881P.
2001US-0336881P.
2001US-03382850P.
2001US-03382850P.
2001US-03399399P.
2001US-03399314P.
2001US-0339511P.
2001US-0349391P.
2001US-034040981P.
2001US-03404098P.
2001US-0340409P.
2001US-0341144P.
2001US-0341474P.
2001US-0341474P.
2001US-0341474P.
2001US-0341474P.
2001US-0341470P.
2001US-0341470P.
2002US-0353288P.
2002US-035956P.
2002US-0359676P.
2002US-036964P.
2002US-0361264P.
2002US-0361264P.
2002US-0381495P.
2002US-0381495P.
2002US-0381495P.
2002US-0381495P.
2002US-0381495P.
2002US-0383744P.
2002US-04046768P.
2002US-0405684P.
2002US-0405684P.
2002US-0405684P.
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  Agee ML, Alsobrook JP, And
Burgess CE, Catterton E, D
Ellerman K, Gangolli EA, G
Herrmann JL, Halvorsen X,
Larochelle WJ, Lepley DM,
Padigaru M, Patturajan M,
                 The invention relates to human NOVX polypeptides and the polynucleotides encoding them. The invention also relates to antibodies specific to the NOVX polypeptides. The polypeptides, polynucleotides and antibodies are useful for manufacturing a medicament for treating a syndrome associated with a human disease, such as a pathology associated with the NOVX polypeptide. The sequences are useful for diagnosing, treating or preventing a NOVX-associated disorder, e.g., cancer, atherosclerosis, diabetes, Alzheimer's disease, Parkinson's disease, graft-versus-host disease, scleroderma, hypertension, hemophilia, idiopathic
                                                                                                                                                                                                                                                                                                                                        New human NOVX polypeptides and nucleic acid molecules, useful for diagnosing, preventing or treating NOVX-associated disorder, e.g. catherosclerosis, diabetes, Alzheimer's disease, Parkinson's disease
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ALSE/
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                                                                                                                                                                                                                                                                    Example
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               .// PADIGARU M.
//) PENATURAJAN M.
//) PENA C E A.
//) RIEGER D K.
//) ROTHENBERG M.
//) ROTHENBERG M.
// RO
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TAUPIER R J.
VERNET C A M.
VOSS E Z.
ZHONG M.
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SPYTEK K
STONE D J
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BERGHS C.
BOLDOG F L.
BURGESS C E.
CATTERTON E.
DIPIPPO V A.
EDINGER S R.
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GUO X S.
HERRMANN
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GORMAN L.
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CATTERTON
DIPIPPO V
EDINGER S
EISEN A.
ELLERMAN K
GANGOLLI E
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LEPLEY D M.
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purpura,
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                                                                                                                                                                                                                                                                    610pp; English.
  immunodeficiencies,
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CEA, Peyman JA, Rie
son G, Spaderna SK,
M, Voss EZ, Zhong M
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Rieger DK;
SK, Spytek KA;
  dyslipidemia,
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.g. cancer,
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receptor or secreted peptide or small interactions.

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AAA37022 to AAA37144 encode the new isolated human transmembrane, receptor or secreted PRO polypeptides given in AAY99420 to AAY99462. The transmembrane and receptor PRO proteins can be used for screening of potential peptide or small molecule inhibitors of the relevant receptor/ligand interactions. The polypeptides and nucleotide sequences encoding then have various industrial applications, including uses as pharmaceutical and diagnostic agents. AAA37145 to AAA37330 represent PCR primers and hybridisation probes used in the isolation of the PRO from present invention

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29-OCT-1999;
30-NOV-1999;
                                                                                                                                                                                                                                                                                                                                                                                                        Secreted useful as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gao W, G
Pan J, P
Williams
                                                                                                                                                                         The present invention relates to secreted and transmembrane proteins. These proteins and the DNA encoding them may be used as hybridization probes, in chromosome and gene mapping and in the generation of antisense RNA and DNA. They may also be used used to generate either transgenic animals or knockout animals which are in turn useful for development and screening of therapeutically useful reagents. The nucl acids may also be used in gene therapy
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                                                                                                                                         Sequence
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26-JUL-1999;
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                                                                                                                                                                                                                                                                                                                                                 Example 84;
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               1041
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                                                                             Similarity
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Goddard A, Godowski PJ, Grimaldi CJ, Gurney AL,
Paoni NF, Roy MA, Smith V, Stewart TA, Tumas D,
GCTGACCTGGTTCCCATCTACTCC 1064
                                                                                                                                                                                                                                                                                                                                                                                                        and transmembrane proteins and nucleic acids designated PRO, shybridization probes, in chromosome and gene mapping and gene
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99US-0144758P.
99US-0145698P.
99WC-US020111.
99WC-US020313.
99WC-US028313.
99WC-US028551.
99WC-US030029.
2000WC-US0300276.
                                                                                                                                                                                                                                                                                                                                              Page 458;
                                                       Conservative
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                                                                                                                                       A; 10 C; 4 G; 7 T; 0 U;
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Pred. No.
                                                         Mismatches
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                                                                                                                                         0 Other;
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                                                         Indels
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Hillan
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Watanabe (
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RESULT 11
AAP54411/c
ID AAP544
XX AAP544
AC AAP544
XX DAAP544
XX O2-APR
XX Secret
XX Secret
XX W02000
XX Secret
XX Uniden
PN W02000
XX 28-DEC
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PR 26-JUL
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ACD68450/c
ID ACD68450 E
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Best Local Similarity
Matches 24; Conserv
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Gao W, G
Pan J, P
Williams
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05-JAN-2000;
06-JAN-2000;
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20-JUL-1999;
26-JUL-1999;
01-SEP-1999;
29-OCT-1999;
30-NOV-1999;
02-DEC-1999;
                                                                                                                                                                                                                                                                                                                                        The present invention relates to secreted and transmembrane proteins. These proteins and the DNA encoding them may be used as hybridization probes, in chromosome and gene mapping and in the generation of antisense RNA and DNA. They may also be used used to generate either transgenic animals or knockout animals which are in turn useful for development and screening of therapeutically useful reagents. The nucleocids may also be used in gene therapy
   17-SEP-2003
                                       ACD68450;
                                                                                                                                                                                                                                                                                                            Sequence 24 BP; 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 2;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Secreted and transmembrane useful as hybridization pro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2001-071395/08.
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o W, Goddard A, (
n J, Paoni NF, R
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                                                                                                                                                                   GGAAGTGTCATGGGTGTCTGTGGG 1
                                                                         standard;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Botstein D, Desnoyers L, Eaton DL, I
ddard A, Godowski PJ, Grimaldi CJ, Gu
oni NF, Roy MA, Smith V, Stewart TA,
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99US-0144758P.
99US-01445698P.
99US-0145698P.
99US-0162506P.
99US-0162506P.
99WO-US028313.
99WO-US028351.
99WO-US028551.
99WO-US000219.
2000WO-US000276.
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   (first
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                                                                       DNA;
   entry)
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Gurney AL,
TA, Tumas D,
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Watanabe
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 16-SEP-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                    16-SEP-1998
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15-SEP-1998;
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               98US-0099808P

98US-0099815P

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98US-0100385P

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98US-0100663P

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98US-0101475P

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98US-0099741P.
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98US-0099536P.
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98US-0099792P.
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98US-0098821P
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RESULT 13
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AC ACD68
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AC ACD68
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HOVel
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Best Local Similarity
Matches 24; Conserv
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16-APR-1999
20-JUN-1999
20-JUN-1999
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20-JUN-1999
15-SEP-1999
15-SEP-1999
20-CT-1999
20-CT-1999
30-NOV-1999
30-NOV-1999
30-NOV-1999
16-DEC-1999
16-FEB-2000
11-FEB-2000
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11-FEB-2000
21-FAR-2000
21-FAR-2000
21-FAR-2000
22-FAR-2000
23-AUG-2000
24-FEB-2000
25-FAR-2000
27-FAR-2000
27-FAR-2000
28-FEB-2000
29-JUN-2000
21-FEB-2000
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09-JUL-2001;
04-SEP-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Novel isolated PRO polypeptides e.g. PRO1130, PRO1275, PRO1418, PRO PRO1787 that modulate glucose or free fatty acid uptake by skeletal muscle cells, and are useful for treating diabetes, hyper- or hypoinsulinemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Baker KP, Botstein D, Desnoyers
Gao W, Goddard A, Godowski PJ,
Pan J, Paoni NF, Roy MA, Smith
Williams PM, Wood WI;
Human; secreted and transmembrane protein; PRO; angiogenesis; endothelial cell proliferation; wound healing; immune response T-lymphocytes proliferation; neonateal heart hypertrophy; tumov cardiac insufficiency disorder; calcium flux; inflammation;
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                                                                                                                                                                                                  ACD68449;
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                                                                                                           human
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ilarity 100.0%;
Conservative
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99WS-0129674P.
99WS-0141037P.
99US-0144758P.
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99US-016250P.
99WG-US0221194.
99WG-US028531.
99WG-US030095.
2000WG-US030376.
2000WG-US0336841.
2000WG-US005004.
2000WG-US00504.
2000WG-US00508841.
2000WG-US005084.
2000WG-US0050866.
2001WG-US033673.
2000WG-US031666.
2001WG-US01780.
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2001WG-US01786.
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                                                                                                           transmembrane
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Pred. No. 8.7
O; Mismatches
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                                                                                                           protein
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8.7;
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ny; tumour;
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                                                                                                           primer
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AL, Hillan KJ;
s D, Watanabe C
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24-SEP-1998 29-SEP-1998 29-SEP-1998 29-SEP-1998 30-SEP-1998 30-CCT-1998 30-CCT-1998 30-CCT-1998 30-CCT-1998 20-CCT-1998 21-NOV-1998 21-NOV-1998 11-NOV-1998 11-NOV-1998

98US-0101916 98US-0102240P 98US-010230P 98US-0102330P 98US-0102331P 98US-0102571P 98US-010258P 98US-0103149 98US-0103158P 98US-0103149 98US-0103159 98US-0103159 98US-0103159 98US-0103159 98US-0103159 98US-0103159 98US-0103159 98US-0103179 98US-01031719 98US-01031719 98US-01031719 98US-01031719 98US-01031719 98US-01031719 98US-01031719 98US-01031719 98US-01031719 98US-0106032P 98US-0106032P

24-SEP-1998; 98US-0101915P. 24-SEP-1998; 98US-0101916P. 29-SEP-1998; 98US-0102207P. 29-SEP-1998; 98US-01022040P. 29-SEP-1998; 98US-0102307P. 29-SEP-1998; 98US-0102330P. 29-SEP-1998; 98US-0102331P. 30-SEP-1998; 98US-0102331P.	23-SEP-1998; 23-SEP-1998; 23-SEP-1998; 24-SEP-1998; 24-SEP-1998;						15-SEP-1998; 15-SEP-1998; 15-SEP-1998;	10-SEP-1998; 10-SEP-1998; 10-SEP-1998;	10-SEP-1998; 10-SEP-1998; 10-SEP-1998;	09-SEP-1998; 09-SEP-1998; 10-SEP-1998;	09-SEP-1998; 09-SEP-1998;	02-SEP-1998; 02-SEP-1998; 02-SEP-1998;			11-DEC-2001; 2001US-00015869.		Homo sapiens. US2003073130-A1.	obesity; auditory hair cell regeneration; hearing loss; bone disorder; cartilage disorder; sports injury; arthritis; PCR; primer; ss.	nephropathy; Schanlein-Henoch purpura; celiac disease; Crohn's disease; dermatitis herpetiformis; diabetes; haemoglobin switch; insulinaemia; pancreatic beta-cell precursor cell differentiation; thalassemias;	vascular endothelial growth factor-stimulated proliferation; mammalian kidney mesangial cell proliferation; Berger disease;
ק ק ק ק ק ק ק ק ק ק ק ק ק ק ק ק ק ק ק	- R9 R9 R9 R9	אק אק אק	אק אק אק אק	מ מק מק מק	PR RQ RQ	PR PR PR	PR PR	אַ מִי מִי	PR PR	PR PR	PR PR	PR PR	PR PR	קיק קיק א קיק א	PR	PR	PR Rd Rd	PR PR	PR PR PR	PR PR
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29-CCT-1999; 99WS-0162506P;
30-NOV-1999; 99WO-US0283513.
02-DEC-1999; 99WO-US0285511.
16-DEC-1999; 99WO-US000219.
06-JAN-2000; 2000WO-US0003565.
11-FEB-2000; 2000WO-US003565.
11-FEB-2000; 2000WO-US005044.
12-MAR-2000; 2000WO-US005841.
15-MAR-2000; 2000WO-US005841.
15-MAR-2000; 2000WO-US014042.
20-MAY-2000; 2000WO-US014042.
30-MAY-2000; 2000WO-US015264.
23-AUG-2000; 2000WO-US015264.
23-AUG-2000; 2000WO-US015264.
23-AUG-2000; 2000WO-US015266.
23-AUG-2000; 2000WO-US015266.
23-AUG-2000; 2000WO-US015266.
23-AUG-2000; 2000WO-US032678.
24-AUG-2000; 2000WO-US032678.
26-EBB-2001; 2001WO-US006666.
01-JUN-2001; 2001WO-US017800.
20-JUN-2001; 2001WO-US017800.
20-JUN-2001; 2001WO-US01666.
01-JUN-2001; 2001WO-US017800.
20-JUN-2001; 2001WO-US017800.
                                                  Human; ss; PCR; secreted protein; transmembrane protein; PRO; vulnerary; cardiant; antidiabetic; anorectic; antiarthritic; angiogenesis; cancer; adrenal cortical capillary; endothelial cell growth; wound healing; stimulated T-lymphocyte proliferation; immune response suppression; neonated heart hypertrophy; cardiac insufficiency disorder; vascular endothelial growth factor; inflammation; mononuclear cell; eosinophil; diabetes; obesity; or hyper-insulinaemia; hypo-insulinaemia; chondrocyte redifferentiation; bone disorder; cartilage disorder;
                                                                                                                                                                                                                                                                                                                         ACH04551 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Novel isolated PRO polypeptides e.g. PRO1130, PRO1275, PRO1418, PRO PRO1797 that modulate glucose or free fatty acid uptake by skeletal muscle cells, and are useful for treating diabetes, hyper- or hypoinsulinemia.
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Gao W, Goddard A, Godowsh
Pan J, Paoni NF, Roy MA,
Williams PM, Wood WI;
                                                                                                                                                                                                               Human
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                                   injury;
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                                     arthritis; primer.
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98US-0098716P
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98US-0100664P
98US-01010711P
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98US-0101071P
98US-01011771P
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RESULT 15
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                                                                                                                                                                                                 Human; ss; PCR; secreted protein; transmembrane protein; PRO; vulnerary; cardiant; antidiabetic; anoxectic; antiarthritic; angiogenesis; cancer; adrenal cortical capillary; endothelial cell growth; wound healing; stimulated T-lymphocyte proliferation; immune response suppression; neonatal heart hypertrophy; cardiac insufficiency disorder; vascular endothelial growth factor; inflammation; mononuclear cell; eosinophil; diabetes; obesity; or hyper-insulinaemia; hypo-insulinaemia; chondrocyte redifferentiation; bone disorder; cartilage disorder; sports injury; arthritis; primer.
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Gao W, Goddard A, God
Pan J, Paoni NF, Roy
Williams PM, Wood WI;
                   06-DEC-2001; 2001US-00006856.
                                                                 06-MAR-2003.
                                                                                                            US2003044841-A1.
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2000WO-US005801.
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2000WO-US013705.
2000WO-US014041.
2000WO-US014941.
2000WO-US015264.
2000WO-US023528.
2000WO-US023528.
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2000WO-US030652.
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owski PJ, Grimaldi JC, Gurney AL,
MA, Smith V, Stewart TA, Tumas D,
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Pred. No.
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RESULT 16
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Gao W, Goddard A, Godows)
Pan J, Paoni NF, Roy MA,
Williams PM, Wood WI;
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                                                                                                                                                                                                                                                                                                                                                                                                                                       secreted typing, c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               standard; DNA;
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Godowski PJ, Grimaldi JC, Gurney AL,
Roy MA, Smith V, Stewart TA, Tumas D,
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Hillan KJ;
, Watanabe C
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Matches 24; Conserv
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Gao W, Goddard A, Godowski PJ,
Pan J, Paoni NF, Roy MA, Smith
Williams PM, Wood WI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The invention describes an isolated PRO (secreted and transmembrane) polypeptide (I), having at least 80\% sequence identity to a sequence selected from any one of the 123 amino acid sequences given in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel isolated PRO polypeptides e.g. PRO1491 and PRO1571, useful in the preparation of a medicament for treating a condition responsive to PRO polypeptide, and as therapeutic agents e.g. vaccines.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              29-JUN-2001; 2001WO-US021066.
09-JUL-2001; 2001WO-US021735.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    tissue
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Pred. No.
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Hillan KJ;
Watanabe C
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Baker KP, Botstein Gao W, Goddard A,	(GETH ) GENENTECH IN	29-JUN-2001; 09-JUL-2001;	14-JUN-2001; 20-JUN-2001;	01-JUN-2001; 01-JUN-2001;	28-FEB-2001;	01-DEC-2000;	08-NOV-2000;	24-AUG-2000;	33-AUG-2000;	30-MAY-2000;	22-MAY-2000;	17-MAY-2000;	02-MAR-2000;	24-FEB-2000;	18-FEB-2000;	11-FEB-2000;	05-JAN-2000;	16-DEC-1999;	02-DEC-1999;	30-NOV-1999;	18-OCT-1999;	15-SEP-1999;	01-880-1999;	26-JUL-1999;	23-JUN-1999;	16-APR-1999;	12-APR-1999;	05-JAN-1999;	30-DEC-1998;	22-DEC-1998:	22-050-1998:	18-NOV-1998;	18-NOV-1998;	18-NOV-1998;	18-NOV-1998;	18-NOV-1998;	17-NOV-1998;	17-NOV-1998;	17-NOV-1998;	17-NOV-1998;	17-NOV-1998;	98;	98;	98.	998;	1998;	NOV-1998;	NOV-1998;	3-NOV-1998;	OCT-1998;	-OCT-1998;	-OCT-1998;	-OCT-1998;	

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RESULT 18
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ID ADC18163;

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PT 18-DEC-2003 (first entry)

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Human PRO PCR primer #86.

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PR 01-SEP-1998; 98US-00987;

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PR 02-SEP-1998; 98US-00998;

PR 02-SEP-1998; 98US-00999;

PR 09-SEP-1998; 98US-00999;

PR 10-SEP-1998; 98US-00999;

PR 11-SEP-1998; 98US-00999;

PR 11-SEP-1998; 98US-01003

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example
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Novel isolated preparation of polypeptide, an
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Gao W, G
Pan J, F
Williams
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, Goddard A, Godowski PJ,
, Paoni NF, Roy MA, Smith
ams PM, Wood WI;
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                                                ed PRO polypeptides e.g. PRO1491 and PRO1571, useful of a medicament for treating a condition responsive t and as therapeutic agents e.g. vaccines.
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98US-0099536P.
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Score 24; DB; Pred. No. 8.7

DB 1; 8.7;

Length 24; Indels

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Baker KP, Botstein D,
Gao W, Goddard A, Godd
Pan J, Paoni NF, Roy N
Williams PM, Wood WI;
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18-NOV-1998
16-AFR-1999
16-AFR-2000
11-FEB-2000
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11-FEB-2000
11-MAR-2000
The invention relates to human PRO polypeptides and the polynucleotides encoding them. The sequences are useful in the preparation of a medicament for treating a condition responsive to a PRO polypeptide. The polypeptides are useful in a number of functional biological assays, as molecular weight markers for protein electrophoresis and as therapoutic agents. The polynucleotides are useful as hybridisation probes for a cDN
                                                                                                                             Novel isolated PRO polypeptides e.g. PRO1491 and PRO1571, useful preparation of a medicament for treating a condition responsive to polypeptide, and as therapeutic agents e.g. vaccines.
                                                                                                      Example
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99US-018002119.
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2000WO-US0036884.
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Grimaldi JC, Gu
V, Stewart TA,
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Hillan KJ;
, Watanabe (
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98US-0106932P.
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RESULT 20
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ADD70809 standard; DNA;
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ilarity 100.0%;
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Query Match
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29-OCT-1999
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24-AUG-2000
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21-DEC-2000
21-DEC-2000
21-DEC-2000
21-DEC-2000
21-DEC-2000
21-JUN-2001
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Gao W, G
Pan J, P
Williams
                                                                                                                                                                                                                                                   Novel isolated PRO polypeptides e.g., PRO1130, PRO1275, PRO1418, PRO1555, PRO1787 affect glucose or free fatty acid (FFA) uptake by skeletal muscle cells and are useful for treating diabetes or hyper- or hypo-insulinemia.
                                                                                                                                               The invention relates to an isolated PRO polypeptide (secreted transmembrane protein) having at least 80% amino acid sequence
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18-NOV-1998;
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7-NOV-1998;
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1463 GGAAGTGTCATGGGTGTCTGTGGG 1486
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, Goddard'A, Godowsk
, Paoni NF, Roy MA,
ams PM, Wood WI;
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                                                            h 1.0%; So Similarity 100.0%; F 24; Conservative 0;
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98US-0108806P.
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2000WO-US0023114.
2000WO-US004441.
2000WO-US004441.
2000WO-US0046841.
2000WO-US014941.
2000WO-US014941.
2000WO-US015264.
2000WO-US033678.
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2001WO-US0317800.
2001WO-US0317800.
2001WO-US031736.
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Godowski PJ, Grimaldi JC, Gurney AL,
Roy MA, Smith V, Stewart TA, Tumas D,
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Hillan KJ;
Watanabe CK;
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    RESULT 21
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02-SEP-1998
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Human; PCR; primer; secreted protein; transmembrane protein; PRO; tumou immune response; cardiac insufficiency disorder; calcium flux; umbilical vein endothelial cell; bone disorder; cartilage disorder; arthritis; wound healing; diabetes; skeletal muscle cells; obesity; Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease; dermatitis; herpetiformis; Crohn's disease; thalassaemia; ss.
                                                                                                                                                                                                                                secreted/transmembrane
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tumour;

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98US-0101477P.
98US-0101741P.
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     RESULT 22
ADD39886/
ID ADD3
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Matches 24
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37 NAX-2000
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Gao W, G
Pan J, P
Williams
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Novel isolated PRO polypeptides e.g., PRO1130, PRO1275, PRO1418, PRO1555, PRO1787 affect glucose or free fatty acid (FFA) uptake by skeletal muscle cells and are useful for treating diabetes or hyper- or hypo-insulinemia.
                                                                                                                                                                                                                                                                                                                                               The invention transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI;
                                ADD39886
                                                                                                                                                                                                                                                                                                                                                                                                                     Example 85; SEQ ID NO 293; 553pp;
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, Goddard A, Godowski PJ,
, Paoni NF, Roy MA, Smith
ams PM, Wood WI;
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Similarity 100.0%; I
24; Conservative 0;
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99WO-US030051

2000WO-US0303056

2000WO-US0303056

2000WO-US0305841

2000WO-US058841

2000WO-US014042

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                                DNA;
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) having at least 80% amino acid
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Grimaldi JC, Gurney AL, Hillan KJ;
V, Stewart TA, Tumas D, Watanabe
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                                                                                                                                                                                                                                                                                                                                                                                                                        English.
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identity
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30-CCT-1998;
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02-DEC-1999

16-DEC-1999

05-JAN-2000

06-JAN-2000

11-FEB-2000

18-FEB-2000

24-FEB-2000

15-MAR-2000

15-MAY-2000

17-MAY-2000

22-MAY-2000

22-MAY-2000

23-AUG-2000

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21-AUG-2000
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01-SEP-1999;
15-SEP-1999;
30-NOV-1999;
The invention relates to an isolated PRO polypeptide (secreted or transmembrane protein) having at least 80% amino acid sequence identity to an amino acid sequence chosen from 123 fully defined sequences as given in the specification (including their extracellular domains either or without their associated signal peptides. Also include are the nucleotide (NA) sequences encoding PRO, a vector comprising the PRO NA, a host cell comprising the vector, producing PRO, a chimaeric molecule
                                                                                                                                    New secreted and transmembrane PRO polypeptides useful for treating cancers, kidney disorders, Crohn's disease, diabetes mellitus, hyperhypo-insulinemia, sports injuries and arthritis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human; PCR; primer; secreted protein; transmembrane protein; PRO; tumous immune response; cardiac insufficiency disorder; calcium flux; umbilical vein endothelial cell; bone disorder; cartilage disorder; arthritis; wound healing; diabetes; skeletal muscle cells; obesity; Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease; dermatitis; herpetiformis; Crohn's disease; thalassaemia; ss.
                                                                                                                                                                                                                       Williams
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2000WO-US000376
2000WO-US000376
2000WO-US003563
2000WO-US005004
2000WO-US005881
2000WO-US005881
2000WO-US01375
2000WO-US014041
2000WO-US014041
2000WO-US01524
2000WO-US02522
2000WO-US02522
2000WO-US0252678
2000WO-US030873
2000WO-US030873
2001WO-US030873
2001WO-US016666
2001WO-US016992
2001WO-US011992
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99WO-US028551.
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owski PJ, Grimaldi JC, Gurney AL,
MA, Smith V, Stewart TA, Tumas D,
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Hillan KJ;
, Watanabe CK;
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                                          either
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CC comprising PRO fused to a heterologous amino acid sequence, and an anti-
CC electrophoresis and also for chromosome identification. PRO 15 also
CC useful for tissue typing. PRO and PRO NA are useful as hybridisation
CC probes for a cDNA library to isolate the full-length PRO cDNA. PRO NA is
CC useful for generating transgenic animals or knock-out animals which are
CC useful in gene therapy. PRO1244, PRO1286 and PRO1303 polypeptides are
CC useful in gene therapy. PRO1244, PRO1286 and PRO1303 polypeptides are
CC useful for treating cancerous tumours. PRO130, PRO1418 and PRO1410
CC polypeptide is useful for treating cardiac insufficiency disorders.
CC polypeptide are useful for treating tumours. PRO1246 and
CC polypeptide are useful for stimulating calcium flux in human
CC unbilical vein endothelial cells. PRO1265, PRO1250 and PRO1474
CC polypeptides are useful for treating disorders and obseity. PRO1265, PRO1244 and PRO1305 polypeptides are useful for treating disorders in skeletal muscle cells
CC polypeptides are useful for treating disorders in skeletal muscle cells
CC polypeptides are useful for treating disorders in skeletal muscle cells
CC polypeptides are useful for treating disorders in skeletal muscle cells
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CC polypeptides are useful for treating disorders in skeletal muscle cells
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CC polypeptides are useful for treating disorders in skeletal muscle cells
CC polypeptides are useful for treating disorders in skeletal muscle cells
CC polypeptides are useful for treating disorders in skeletal muscle cells
CC polypeptides are useful for treating disorders are useful for
CC treating Berger disease or other nephropathies associated with Schonlein-
CC treating Berger disease or other nephropathies associated with Schonlein-
CC treating Berger disease or other nephropathies associated with 
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Sequence 24 BP; 7 A 12 Ç N <u>ი</u> 3 T; 0 ۲, 0 Other;

밁 S Query Match Best Local S Matches 24 1463 Similarity GGAAGTGTCATGGGTGTCTGTGGG 1486 Conservative ( 1.0%; 0 Score 24; Pred. No Mismatches o. DB 1; Length 24; Indels . Gaps 0

24

RESULT 23 ADD39885 ID ADD39 Human secreted/transmembrane protein PRO1433 PCR primer 15-JAN-2004 ADD39885; ADD39885 standard; DNA; (first entry) 24 #1.

Berger disease; nephropathy; Schonl dermatitis; herpetiformis; Crohn's arthritis; wound healing; diabetes; skeletal muscle cells; obesity; Berger disease; nephropathy; Schonlein-Henoch purpura; coellac dise umbilical vein endothelial cell; bone Human; human; PCR; primer; secreted protein; t
humane response; cardiac insufficiency disorder; cartilage disorder; transmembrane protein; disorder; calcium flux; PRO; tumour;

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05-JAN-1999 01-SEP-1999 15-SEP-1999 30-NOV-1999 30-DEC-1999 16-DEC-1999 16-JAN-2000 06-JAN-2000 11-FEB-2000 11-FEB-2000 24-FEB-2000 24-FEB-2000 24-FEB-2000 10-DEC-2001; 01-MAY-2003 99WO-US000106. 99WO-US021111. 99WO-US02113. 99WO-US028313. 99WO-US028551. 99WO-US000219. 2000WO-US000219. 2000WO-US00376. 2000WO-US003565. 2000WO-US003542. 2000WO-US005044. 2000WO-US005064. 2001US-00013913

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15-MAR-2000; 2000WO-US006884.
17-MAY-2000; 2000WO-US013705.
22-MAY-2000; 2000WO-US014941.
02-JUN-2000; 2000WO-US014941.
02-JUN-2000; 2000WO-US023522.
24-AUG-2000; 2000WO-US023522.
24-AUG-2000; 2000WO-US023522.
10-NOV-2000; 2000WO-US030873.
01-DEC-2000; 2000WO-US030873.
01-DEC-2000; 2000WO-US0308673.
01-DEC-2000; 2000WO-US0306666.
01-JUN-2001; 2001WO-US006666.
01-JUN-2001; 2001WO-US01662.
01-JUN-2001; 2001WO-US01663.
01-JUN-2001; 2001WO-US01663.
01-JUN-2001; 2001WO-US01666.
01-JUN-2001; 2001WO-US01666.
01-JUN-2001; 2001WO-US01736.
09-JUN-2001; 2001WO-US021735.
09-JUN-2001; 2001WO-US021735.
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Pan J, P
Williams
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Paoni
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        Paoni NF, Roy MA, PM, Wood WI;
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, Fong S; Hillan KJ; , Watanabe CK;

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cransmembrane protein) having at least 80% amino acid sequence identity to an amino acid sequence chosen from 123 fully defined sequence identity con a mino acid sequence chosen from 123 fully defined sequence say given in the specification (including their extracellular domains either correction in their associated signal peptides. Also include are the conclusive field comprising the vector period of their extracellular domains either correction control of the producing profession control profession The invention relates to an isolated PRO polypeptide (secreted sequence identity

Sequence 24 BP; ω P, 10 C; 4 G; 7 T; 0 U; 0 Other;

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Query Match
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Matches 24
            Similarity
   Conservative
            1.0%; Score 24; DB 1; 100.0%; Pred. No. 8.7;
0;
  Mismatches
   0
                     Length 24;
   Indels
  0;
 Gaps
  0;
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1041 GCTGACCTGGTTCCCATCTACTCC 1064

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ADD703317
IDD 703317
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ADD703317
ACC ADD70
ACC A
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RESULT 25
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Pan J, P
Williams
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22-DEC-1998
30-DEC-1998
30-DEC-1999
23-JUL-1999
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23-JUL-1999
24-EEP-1999
25-JUL-1999
25-JUL-1999
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99US-014598P.
99US-0162506P.
199WO-US021194.
99WO-US028551.
99WO-US028551.
99WO-US002855.
2000WO-US000376.
2000WO-US000376.
2000WO-US0013705.
2000WO-US006841.
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                                                                                                                                                                                                                                                                                                                                                         relates to an isolated PRO polypeptide protein) having at least 80% amino acid
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Gurney AL,
TA, Tumas D,
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in protein
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Watanabe
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Pan J, I
Williams
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Human;
                      Human secreted/transmembrane protein PRO1433 PCR primer #1.
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, Goddard A, Godowski
, Paoni NF, Roy MA, S
ams PM, Wood WI;
PCR; primer; secreted protein; transmembrane protein; PRO; tumour;
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Similarity 100.0%; I
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2001WO-US03578

2001WO-US030873

2001WO-US030873

2001WO-US016666

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                                              (first
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99US-0129674P.
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                                              entry)
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TA, Tumas D,
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Gao W, Goddard A, God
Pan J, Paoni NF, Roy
Williams PM, Wood WI;
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2000WO-US005804
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2000WO-US013705
2000WO-US014941
2000WO-US014941
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Human; PCR; primer; secreted protein; transmembrane protein; PRO; tumou immune response; cardiac insufficiency disorder; calcium flux; umbilical vein endothelial cell; bone disorder; cartilige disorder; arthritis; wound healing; diabetes; skeletal muscle cells; obesity; Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Novel isolated PRO polypeptide, useful cardiac insufficiency disorders, wound thalassemias.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to an isolated PRO polypeptide (secreted or transmembrane protein) having at least 80% amino acid sequence ide to an amino acid sequence chosen from 123 fully defined sequences
dermatitis; herpetiformis; Crohn's
                                                                                                                                               Human secreted/transmembrane protein PRO1433 PCR primer #2
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Godowski PJ, Grimaldi JC, Gurney AL,
Roy MA, Smith V, Stewart TA, Tumas D,
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  disease; thalassaemia; ss.
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Gao W, Goddard A, G
Pan J, Paoni NF, Rc
Williams PM, Wood WI
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                                                                                                                                                                    Human; PCR; primer; secreted protein; transmembrane protein; PRO; tumour; immune response; cardiac insufficiency disorder; calcium flux; umbilical vein endothelial cell; bone disorder; cartilage disorder; arthritis; wound healing; diabetes; skeletal muscle cells; obesity; Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease; dermatitis; herpetiformis; Crohn's disease; thalassaemia; ss.
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                                                                                                                                                                                                                                                                                                          Human secreted/transmembrane protein PRO1433 PCR primer #1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    invention relates to an isolated PRO polypeptide (secreted or nsmembrane protein) having at least 80% amino acid sequence identity an amino acid sequence chosen from 123 fully defined sequences as
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ilarity 100.0%;
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Hillan KJ;
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RESULT 29
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Pan J, F
Williams
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W, Goddard A, Godo
J, Paoni NF, Roy M
liams PM, Wood WI;
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2000WO-US0233522.
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lowski PJ,
MA, Smith
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Pred. No. 8.7;
0; Mismatches
                                                                                                                                                                                                                                                                                protein PRO1433 PCR primer
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Grimaldi JC, Gu
n V, Stewart TA,
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Gurney AL,
TA, Tumas D,
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Hillan KJ;
, Watanabe (
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                                                                                                                                                                                                                                                         PRO; tumour;
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98US-0103678P 98US-0103679P 98US-0104257P 98US-0105002P 98US-01050693P 98US-0105693P 98US-0105693P 98US-0105693P 98US-0106062P 98US-0106062P 98US-0106032P 98US-0108002P 98US-0108002P 98US-0108087P 98US-0108851P 98US-0108851P 99US-0145698P 99US-0145698P 99US-0145698P 99US-0145698P 99US-0145698P 99US-0145698P 99US-0145698P 99US-0145698P 99US-0145698P 99US-01500000111 99WO-US0035811 99WO-US0035811 99WO-US0035811 2000WO-US005841 2000WO-US005841 2000WO-US005841 2000WO-US005841

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98US-009980RP 98US-0099812R 98US-0099816P 98US-0009816P 98US-0100385P 98US-0100662P 98US-0100664P 98US-0100664P 98US-0100684P 98US-0100710P 98US-0100849P 98US-01001071P 98US-0101071P 98US-0101747P 98US-0101741P 98US-01017401P 98US-01017401P 98US-01017401P 98US-0101767P 98US-0101767P 98US-0101767P 98US-010377P	98US-0099536P. 98US-0099596P. 98US-0099598P. 98US-0099642P. 98US-0099741P. 98US-0099754P. 98US-0099753P. 98US-0099752P.
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RESULT :
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Best Local S
Matches 24
 01-SEP-1998
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01-SEP-1998
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01-JUN-2001;
20-JUN-2001;
29-JUN-2001;
09-JUL-2001;
04-SEP-2001;
                                                                                                                                                                                                                           Human; PCR; primer; secreted protein; transmembrane protein; PRO; tumou: immune response; cardiac insufficiency disorder; calcium flux; umbilical vein endothelial cell; bone disorder; cartilage disorder; arthritis; wound healing; diabetes; skeletal muscle cells; obesity; Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease; dermatitis; herpetiformis; Crohn's disease; thalassaemia; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gao W, G
Pan J, F
Williams
                                                                                                                                                                                                           Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Novel isolated PRO polypeptide useful for tissue typing, modulating biological activity of cell, as molecular weight markers in protein electrophoresis, for treating arthritis, tumor.
                                                                                                                                                                                                                                                                                                 Human
                                                                                                                                                 06-DEC-2001;
                                                                                                                                                                    15-MAY-2003
                                                                                                                                                                                        US2003092061-A1.
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Goddard A, Godd
Paoni NF, Roy N
Ims PM, Wood WI;
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                                                                                                                                                                                                                                                                                                                                                           standard;
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; 2001WO-US017800.
; 2001WO-US019692.
; 2001WO-US021066.
; 2001WO-US021735.
; 2001US-00946374.
                                                                                                                                                                                                                                                                                                                                                                                                                                               1.0%; Scilarity 100.0%; P
Conservative 0;
                                                                                                                                                 2001US-00007194
                                                                                                                                                                                                                                                                                                                    (first
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 98US-0098716P.
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Godowski PJ, (
Roy MA, Smith
                                                                                                                                                                                                                                                                                                                                                           DNA;
                                                                                                                                                                                                                                                                                                                    entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     an isolated PRO polypeptide aving at least 80% amino acid
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                                                                                                                                                                                                                                                                                                PCR primer
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Hillan KJ;
Watanabe (
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identity
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18-SEP-1998
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18-SEP-1998
19-SEP-1998
19-CCT-1998
10-CCT-1998
98US-0100388P

98US-0100584P

98US-0100661P

98US-0100664P

98US-0100664P

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98US-0100710P

98US-0100930P

98US-01010114P

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, Fong S; Hillan KJ; Watanabe

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PRO1773,

disease

polypeptide 0% amino acid

(secreted d sequence

or identity

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Indels

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Length 24;

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29-OCT-1998;
29-OCT-1998;
30-OCT-1998;
30-OCT-1998;
31-NOV-1998;
33-NOV-1998;
33-NOV-1999;
33-NO
              98US-0105882P.
98US-0106023P.
98US-0106023P.
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98US-010634AP.
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98US-0106464AP.
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Gao W, G
Pan J, F
Williams
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; PCR; primer; secreted protein; transmembrane protein; PRO; ti immune response; cardiac insufficiency disorder; calcium flux; umbilical vein endothelial cell; bone disorder; cartilage disorder; arthritis; wound healing; diabetes; skeletal muscle cells; obesity; Berger disease, nephropathy; Schonlein-Henoch purpura; coeliac disedermatitis; herpetiformis; Crohn's disease; thalassaemia; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New isolated PRO polypeptide such as PRO1560, PRO444, PRO1018, I PRO1244, PRO1246, useful for treating cancerous tumors, cardiac insufficiency disorders, wound healing, Crohn's disease, celiac
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         arthritis; wound healing; diabetes; skeletal m
Berger disease; nephropathy; Schonlein-Henoch
dermatitis; herpetiformis; Crohn's disease; th
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADD38932;
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98US-0098716P

98US-0098723P

98US-0098750P

98US-0098821P

98US-0098821P

98US-0099843P

98US-0099536P

98US-0099598P

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having at least 80%
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; Pred. No. 8.7;
0; Mismatches
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primer

#2

tumour;

disease;

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15-SEP 1998

16-SEP 1998

16-SEP 1998

16-SEP 1998

16-SEP 1998

17-SEP 1998

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25-SEP 1998

26-OCT 1998

27-OCT 1998

28-OCT 1998

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28-OCT 1998
98US-010038P

98US-0100584P

98US-0100662P

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98US-0100662P

98US-0100849P

98US-0101014P

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98US-0106032P
  Baker KP, Botstein I
Gao W, Goddard A, C
Pan J, Paoni NF, Ro
Williams PM, Wood W:
                                                                                                 28-OCT-1998

29-OCT-1998

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03-NOV-1998

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16-PER-1999

17-NOV-1999

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19-DEC-1999

10-DEC-1999

10-DEC-1999

10-DEC-1999

11-PEB-2000

11-PE
                                                                           GENENTECH
                                                                                                  98US-0106178P
98US-01062484P
98US-0106384P
98US-0106384P
98US-0106394P
98US-0106905P
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2000WO-US0033653
2000WO-US01330673
2000WO-US01330673
2000WO-US013306520
2001WO-US0136666
2001WO-US01780
2001WO-US017365
2001WO-US017365
2001WO-US017365
              Roy;
                                      D, Desnoyers
Godowski PJ,
                           ¥,
                           Smith
                         L, Eaton DL, Ferrara N, Grimaldi JC, Gurney AL, V, Stewart TA, Tumas D,
                                                z
                          Hillan KJ;
Watanabe (
                           Ç,
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RESULT 32
ADD40362
ID 40362
ADD40362
AC ADD40
XX DT 15-JP
ADC40
XX Human
XX Human
XX Human
XX Human
XX Homo
ON US200
XX Homo
XX Homo
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Matches 24
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; PCR; primer; secreted protein; transmembrane protein; PRO; to immune response; cardiac insufficiency disorder; calcium flux; umbilical vein endothelial cell; bone disorder; carliage disorder; arthritis; wound healing; diabetes; skeletal muscle cells; obesity; Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac diseadermatitis; herpetiformis; Crohn's disease; thalassaemia; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADD40362
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to an isolated PRO polypeptide transmembrane protein) having at least 80% amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New isolated PRO polypeptide such as PRO1560, PRO444, PRO1018, E
PRO1244, PRO1246, useful for treating cancerous tumors, cardiac
insufficiency disorders, wound healing, Crohn's disease, celiac
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US2003082627-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADD40362;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example
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Similarity 100.0%; Pred. No. 8.7;
24; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           85;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      standard;
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98US-0098716P

98US-009873P

98US-0098750P

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98US-0099598P

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98US-0100662P

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d sequence
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30-CCT-1998
98US-0100683P-
98US-0100711P-
98US-010093P-
98US-010093P-
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98US-0106856P-
98US-0106856P-
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Baker KP, Botstein I
Gao W, Goddard A, C
Pan J, Paoni NF, Ro
Williams PM, Wood WJ
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18-NOV-1998
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22-DEC-1999
23-JUN-1999
23-JUN-1999
20-JUL-1999
20-JUL
                                               New isolated PRO polypeptides PRO1244, PRO1246, are useful finsufficiency disorders.
  Example 85; SEQ ID NO 293; 550pp; English
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3-NOV-1998;
3-NOV-1998;
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98US-0106934P

98US-0108778P

98US-010878P

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2001WO-US017806

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2001WO-US017807
                                                                                                                                                                                             ROY MA,
                                                                                                                                                                                                                 Godowski PJ, (Roy MA, Smith)
                                                                     s such as PRO1560, PRO444, PRO1018, for treating cancerous tumors and
                                                                                                                                                                                                                 L, Eaton DL, Ferrara N, Grimaldi JC, Gurney AL, V, Stewart TA, Tumas D,
                                                                                                                                                                                                                 , Fong S;
Hillan KJ;
, Watanabe C
                                                                        PRO1773,
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RESULT 33
ADDA40363/c
ID ADDA40363;
XX Human; PC]
XX Human
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         06-DEC-2001;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1041
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Similarity 100.0%;
24; Conservative (
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relates to an isolated PRO polypeptide (secreted protein) having at least 80% amino acid sequence
Score 24; DB 1; Length 24; pred. No. 8.7; 0; Mismatches 0; Indels
                                                                                     or
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GCTGACCTGGTTCCCATCTACTCC 1064 24

0;

Gaps

0

(first entry) 24 protein PRO1433 PCR primer

Human; PCR; primer; secreted protein; transmembrane protein; PRO; tumous immune response; cardiac insufficiency disorder; calcium flux; umbilical vein endothelial cell; bone disorder; cartilage disorder; arthritis; wound healing; diabetes; skeletal muscle cells; obesity; Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease; dermatitis; herpetiformis; Crohn's disease; thalassaemia; ss. tumour;

98US-0098716P 98US-009873P 98US-0098750P 98US-0098821P 98US-0098831P 98US-0099836P 98US-0099536P 98US-0099642P 98US-0099741P 98US-0099741P 98US-0099754P 98US-0099754P 98US-0099754P 98US-0099816P 98US-0099816P 98US-0099816P 98US-0100388P 98US-010038P 98US-0100664P 98US-0100664P 98US-0100710P 98US-0100710P 98US-0100710P 98US-0100711P 98US-0100930P 98US-0100930P

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Query Match
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Matches 24
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17-NOV-1998;
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22-DEC-1999;
23-DEC-1999;
24-DEC-1999;
25-DEC-1999;
26-JUN-2000;
24-FEB-2000;
                                                                                                                                                                                                                         Baker KP,
Gao W, G
Pan J, P
Williams
                                                         The invention transmembrane
                                                                                                                                 New isolated PRO polypeptides such as PRO1560, PRO444, PRO1018, PRO1773, PRO1244, PRO1246, are useful for treating cancerous tumors and cardiac insufficiency disorders.
                                                                                                       Example
                                                                                                                                                                                                                         r KP, Botstein I
W, Goddard A, O
J, Paoni NF, Ro
iams PM, Wood WJ
                                                                                                                                                                                              2003-755104/71.
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                 Similarity
                                                                                                     SEQ ID NO
                                                                                                                                                                                                                                                                                                                               98US-0108787P.
98US-0108018P.
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99US-014788P.
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    Conservative
                                                         relates t
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, Godowski PJ, (
  Roy MA, Smith V
d WI;
   1.0%; Score 24; DB
100.0%; Pred. No. 8.
ative 0; Mismatches
                                                        to an isolated PRO polypeptide (secreted) having at least 80% amino acid sequence
                                                                                                       294; 550pp;
                                                                                                                                                                                                                                          L, Eaton DL,
Grimaldi JC, G
V, Stewart TA,
                                                                                                       English.
                 DB 1;
    0,
                                Length 24;
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Gurney AL,
TA, Tumas D,
    Indels
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Hillan KJ;
, Watanabe (
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98US-0106032P.
98US-0106378P.
98US-0106902P.

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RESULT 34
ADE50584/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; PCR; primer; secreted protein; transmembrane protein; PRO; tumou: immune response; cardiac insufficiency disorder; cardiau flux; umbilical vein endothalal cell; bone disorder; cartiage disorder; arthritis; wound healing; diabetes; skeletal muscle cells; obssity; Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease; dermatitis; herpetiformis; Crohn's disease; thalassaemia; ss.
                                                                                                                                                                                                                                                                                                                                                                                                 11-DEC-2001;
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Matches 24
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Gao W, Goddard A, G
Pan J, Paoni NF, Ro
Williams PM, Wood WI
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18-NOV-1998;
18-NOV-1998;
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30-DEC-1999;
26-JUL-1999;
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29-CT-1999;
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                                                                                                                                                                                                       transmembrane
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                                                                                           1463
                                                                                                                                                                                                                            invention
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                                                                          GGAAGTGTCATGGGTGTCTGTGGG
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2000WO-US00376
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Roy MA, Smith )
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                                                                                                                              Score 24; DB; Pred. No. 8.7
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Hillan KJ;
Watanabe CK;
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Human secreted/transmembrane
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                                                       standard;
                  (first
                                                       DNA;
                  entry)
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                                                       ВP
protein PRO1433 PCR
primer
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Human; PCR; primer; secreted protein; transmembrane protein; PRO; tumou: immune response; cardiac insufficiency disorder; calcium flux; umbilical vein endothelial cell; bone disorder; cartilage disorder; arthritis; wound healing; diabetes; skelettal muscle cells; obesity; Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease; dermatitis; herpetiformis; Crohn's disease; thalassaemia; ss. tumour;

sapiens.

11-DEC-2001; 10-APR-2003 2001US-00015393

01-SEP-1998 98US-0098716 98US-0098716 98US-0098730 98US-0098730 98US-0099831 98US-0099536 98US-0099536 98US-0099536 98US-0099741 98US-0099763 98US-0099763 98US-0099815 98US-0099815 98US-0099815 98US-0100385 98US-0100584 98US-0100662 98US-0100662 98US-0100662 98US-0100662 98US-0100662 98US-0100662 98US-0100662 98US-0100662 98US-0100671 98US-010061 98US-010071 98US-0101071 98US-0101477 98US-0101471

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RESULT 36
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Best Local Similarity 100.0%;
Matches 24; Conservative 0;
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22.DEC-1998
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Gao W, Goddard A, Godowsl
Pan J, Paoni NF, Roy MA,
Williams PM, Wood WI;
                    29-JAN-2004
                                                                                                                                                                                                                                                                                                                              The invention transmembrane
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protein)
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Godowski PJ, Grimaldi JC, Gurney AL,
Roy MA, Smith V, Stewart TA, Tumas D,
                                                                                                                                                                                                                                                                                                                           to an isolated PRO polypeptide (secreted) having at least 80% amino acid sequence
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Hillan KJ;
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ted protein; transmembrane protein; PRO; tumour; insufficiency disorder; calcium flux; al cell; bone disorder; carcilage disorder; disorder; disorder; general cell; bone disorder; carcilage disorder; disorder; disorder; carcilage disorder; protein; by, Schonlein-Henoch purpura; coeliac disease; protein; by, Schonlein-Henoch purpura; coeliac disease; protein; by, Crohn's disease; thalassaemia; ss.  116. Protein; by, Crohn's disease; thalassaemia; ss.  127. Protein; by, Crohn's disease; thalassaemia; ss.  128. Protein; by, Crohn's disease; thalassaemia; ss.  129. Protein; by, Crohn's disease; thalassaemia; ss.  130. Protein; by, Crohn's disease; by, Crohn's	protein; transmembrane protein; PRO; tumour; ufficiency disorder; calcium flux; ell; bone disorder; calcium flux; schonlein-Henoch purpura; coelia; obesity; schonlein-Henoch purpura; coelia; obesity; rohn's disease; thalassaemia; ss.	protein pRO1433 PCR primer #2.  R8 30-SEP-199 R9 30-SEP-199 R8 40-SCP-199 R8 40-SCP-19	24-SEP-1998; 98 24-SEP-1999; 98 24-SEP-1999; 98 24-SEP-1998; 98 29-SEP-1998; 98 29-SEP-1998; 98 29-SEP-1998; 98	23-SEP-1998; 98	6-SEP-1998; 98 6-SEP-1998; 98 6-SEP-1998; 98 6-SEP-1998; 98 7-SEP-1998; 98 7-SEP-1998; 98 8-SEP-1998; 98 8-SEP-1998; 98 8-SEP-1998; 98 8-SEP-1998; 98 8-SEP-1998; 98 8-SEP-1998; 98 98-SEP-1998; 98 98-SEP-1998; 98 98-SEP-1998; 98 98-SEP-1998; 98 98-SEP-1998; 98 98-SEP-1998; 98 98-SEP-1998; 98 98-SEP-1998; 98 98-SEP-1998; 98	09-SEP-1998; 98 09-SEP-1998; 98 10-SEP-1998; 98 10-SEP-1998; 98 10-SEP-1998; 98 10-SEP-1998; 98 10-SEP-1998; 98 10-SEP-1998; 98 110-SEP-1998; 98 110-SEP-1998; 98 115-SEP-1998; 98 115-SEP-1998; 98 115-SEP-1998; 98	10-DEC-2001; 20011 01-SEP-1998; 988 01-SEP-1998; 988 01-SEP-1998; 988 01-SEP-1998; 988 02-SEP-1998; 988 02-SEP-1998; 988 02-SEP-1998; 988 02-SEP-1998; 988 03-SEP-1998; 988 03-SEP-1998; 988 03-SEP-1998; 988	Human secreted/tran Human; PCR; primer; immune response; ca umbilical vein endo arthritis; wound he Berger disease; nep dermatitis; herpeti Homo sapiens. US2003092883-A1.
	RG R	29-SEP 30-SEP 30	7741P. (743P. (915P. 1916P. 2207P. 2240P.	471P. 472P. 474P. 475P. 476P. 476P. 476P.	6627P. 6621P. 6664P. 6664P. 6664P. 6710P. 710P.	6028 6422 7412 7412 7549 8022 8122 8122 8122 8122 8122 8122 8122	3430. 316p. 716p. 723p. 749p. 750p. 750p. 803p. 803p. 803p. 803p. 8056p.	protein PRO1433 PCR primer #2.  protein; transmembrane protein; PRO;  ufficiency disorder; calcium flux;  ell; bone disorder; cartilage disorder  abetes; skeletal muscle cells; obesity  Schonlein-Henoch purpura; coetiac dis  rohn's disease; thalassaemia; ss.

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RESULT
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Matches 24
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Gao W, Goddard A, G
Pan J, Paoni NF, Rc
Williams PM, Wood WI
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201-SEP-1999
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17-PAN-2000
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11-FAN-2000
Human; PCR; primer; secreted protein; transmembrane protein; PRO; timmune response; cardiac insufficiency disorder; calcium flux; umbilical vein endothelial cell; bone disorder; cartilage disorder; arthritis; wound healing; diabetes; skeletal muscle cells; obesity; Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New isolated PRO polypeptide useful for tissue typing, mobiological activity of cell, as molecular weight markers electrophoresis, for treating arthritis and tumors.
                                                                                                                              Human
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99WO-US0201194
99WO-US021194
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99WO-US0283513
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2000WO-US023528
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Godowski PJ, Grimaldi JC, G
Roy MA, Smith V, Stewart TA,
                                                                                                                                                                    entry)
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) having at least 80% amino acid
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Hillan KJ;
Watanabe (
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                                                                                   PRO; tumour;
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Gao W, Goddarc
Pan J, Paoni I
Williams PM, 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New isolated PRO polypeptide useful for tissue typing, modulating biological activity of cell, as molecular weight markers in protein electrophoresis, for treating arthritis and tumors.
                                                                                                                                                       Human; PCR; primer; secreted protein; transmembrane protein; PRO; tumour; immune response; cardiac insufficiency disorder; calcium flux; umbilical vein endothelial cell; bone disorder; cartilage disorder; arthritis; wound healing; diabetes; skeletal muscle cells; obesity; Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease; dermatitis; herpetiformis; Crohn's disease; thalassaemia; ss.
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                                                                                                                                                 Berger disease; nephropathy dermatitis; herpetiformis;
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Goddard A, Godowski PJ, Grimaldi JC, Gurney AL,
Paoni NF, Roy MA, Smith V, Stewart TA, Tumas D,
ams PM, Wood WI;
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PR 05-JAN-2000; 2000WO-US0000 PR 05-JAN-2000; 2000WO-US0000 PR 05-JAN-2000; 2000WO-US0000	15-SEP-1999; 18-OCT-1999; 29-OCT-1999;	20-JUL-1999; 26-JUL-1999; 01-SEP-1999;	16-APR-1999; 23-JUN-1999;	30-DEC-1998; 05-JAN-1999; 12-ARR-1999;	22-DEC-1998; 22-DEC-1998;	18-NOV-1998;	18-NOV-1998;	18-NOV-1998;	18-NOV-1998;	17-NOV-1998;	17-NOV-1998;	17-NOV-1998;	17-NOV-1998;	17-NOV-1998; 17-NOV-1998;	03-NOV-1998;	03-NOV-1998;	03-NOV-1998;	30-OCT-1998; 03-NOV-1998;	29-OCT-1998; 29-OCT-1998;	28-OCT-1998; 29-OCT-1998;	28-OCT-1998;	28-OCT-1998; 28-OCT-1998;	27-OCT-1998; 28-OCT-1998;	27-OCT-1998;	27-OCT-1998;	26-OCT-1998;	22-OCT-1998; 22-OCT-1998;	20-OCT-1998; 21-OCT-1998;	20-OCT-1998;	14-OCT-1998;	08-0CT-1998; 08-0CT-1998;	08-OCT-1998;

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01-MAR-2001;
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Pan J, P
Williams
01-SEP-1998;
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ams PM, Wood WI;
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Hillan KJ;
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Gao W, Goddard A, Godd
Pan J, Paoni NF, Roy N
Williams PM, Wood WI;
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08-NQV-2000;
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29-VUN-2001;
09-VUN-2001;
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                                                                                                                                                                                                                                         Human; PCR; primer; secreted protein; transmembrane protein; PRO; transmembrane protein; PRO; transmenter; cardiac insufficiency disorder; calcium flux; umbilical vein endothelial cell; bone disorder; cardiage disorder; arthritis; wound healing; diabetes; skeletal muscle cells; obesity; Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac diseadermatitis; herpetiformis; Crohn's disease; thalassaemia; ss.
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28-FEB 01-MAR 01-JUN 20-JUN	10-NOV-2000	02-JUN-2000 23-AUG-2000	22-MAY-2000	15-MAR-2000;	24-FEB-2000;	11-FEB-2000;	06-JAN-2000;	16-DEC-1999;	30-NOV-1999;	29-OCT-1999;	01-SEP-1999;	20-JUL-1999; 26-JUL-1999;	23-JUN-1999;	05-JAN-1999;	22-DEC-1998;	18-NOV-1998;	18-NOV-1998;	18-NOV-1998;	17-NOV-1998;	17-NOV-1998;	17-NOV-1998;	17-NOV-1998;	17-NOV-1998;	17-NOV-1998;	10-NOV-1998;	03-NOV-1998;	03-NOV-1998;	03-NOV-1998;	29-OCT-1998; 30-OCT-1998;	29-OCT-1998;	28-OCT-1998; 29-OCT-1998;	28-OCT-1998;	28-OCT-1998;	28-OCT-1998;	27-OCT-1998;	998;

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RESULT 41
ADE21664
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AC ADE21
XX DT 29-JA
XX Human
XX Human
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Pan J, P
Williams
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04-SEP-2001; 2001US-00946374.
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, Goddard A, Godowski
, Paoni NF, Roy MA, (
ams PM, Wood WI;
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owski PJ, Grimaldi JC, Gurney AL,
MA, Smith V, Stewart TA, Tumas D,
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Hillan KJ;
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98US-0100385P

98US-0100385P

98US-0100661P

98US-0100664P

98US-0100664P

98US-0100710P

98US-0100710P

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98US-0100930P

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98US-0105697P

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3-OCT-1998;
3-OCT-1998;
              KP, Botstein
, Goddard A,
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98US-011644P.
98US-011691P.
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98US-011691P.
98US-0116934P.
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98US-0110691P.
98US-0110891P.
98US-01108779P.
98US-01108801P.
98US-01108802P.
98US-01108807P.
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98US-0113239P.
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2000WO-US030873,
2000WO-US032678,
2001WO-US006520,
2001WO-US016666,
2001WO-US01780,
2001WO-US01780,
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98US-0106032P.
98US-0106033P.
98US-0106178P.
98US-0106248P.
98US-0106384P.
98US-0106384P.
            D, Desnoyers
Godowski PJ,
         L, Eaton DL,
Grimaldi JC,
         Ferrara N,
Gurney AL,
         Fong S;
Hillan KJ;
  RESULT 42
ADF30089
ID ADF30
XX ADF300
XX ADF300
AC ADF30

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15-SEP-1998;
15-SEP-1998;
15-SEP-1998;
16-SEP-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; PCR; primer; secreted protein; transmembrane protein; PRO; tumous immune response; cardiac insufficiency disorder; calcium flux; umbilical vein endothelial cell; bone disorder; cartilage disorder; arthritis; wound healing; diabetes; skeletal muscle cells; obesity; Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease; dermatitis; herpetiformis; Crohn's disease; thalassaemia; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention relates to an isolated PRO polypeptide (secreted transmembrane protein) having at least 80% amino acid sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Pan J, F
Williams
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Novel secreted and transmembrane PRO polypeptides useful for treating cancers, kidney disorders, Crohn's disease, diabetes mellitus, hyperhypo-insulinemia, sports injuries and arthritis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2003-755105/71.
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us PM, Wood
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Similarity
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98US-0098716P.
98US-009873P.
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98US-010385P.
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1 WI;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein PRO1433 PCR primer
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#1.

PRO; tumour;

Baker Gao W,

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98US-0100661P
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98US-0100644P
98US-0100710P
98US-0100710P
98US-0100849P
98US-0101068P
98US-0101071P
98US-0101071P
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98US-0101472P
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98US-0101915P
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  03-NOV-1998
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03-NOV-1998
13-NOV-1998
17-NOV-1998
17-NOV-1999
17-NOV-1999
18-NOV-1999
18-NOV
                                                                             Baker KP, Botstein D, Desnoyers
Gao W, Goddard A, Godowski PJ,
Pan J, Pacni NF, Roy MA, Smith
Williams PM, Wood WI;
 Example 85; SEQ ID NO 293; 558pp; English.
                    New PRO nucleic acid, useful diagnosing or treating tumor
                                                                                                                                       (GETH
                                                        2003-900674/82.
                                                                                                                                    GENENTECH
                                                                                                                                                          INC.
                      or f
                      for tissue typing.
                                                                                         L, Eaton DL, Ferrara N, Grimaldi JC, Gurney AL, V, Stewart TA, Tumas D,
                                   a medicament
                                                                                         Hillan KJ;
Watanabe (
                                   for
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16-SEP-1998
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30-CCT-1998

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RESULT 43
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ID ADF30090;
XX
AC ADF30090;
XX
AC ADF30090;
XX
AC ADF30090;
XX
DT 12-FEB-20;
XX
Human; PC;
XX
Homo sapi;
XX
Homo sapi;
XX
US2003204
XX
D1-SEP-19
PR 01-SEP-19
PR 01-SEP-19
PR 01-SEP-19
PR 01-SEP-19
PR 02-SEP-19
PR 10-SEP-19
PR 11-SEP-19
PR 16-SEP-19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The invention relates to an isolated PRO polypeptide (secreted or transmembrane protein) having at least 80% amino acid sequence identity to an amino acid sequence chosen from 123 fully defined sequences as given in the specification (including their extracellular domains either or without their associated signal peptides. Also include are the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         dermatitis; herpetiformis; Crohn's
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10-DEC-2001;
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24; Conserv
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98US-009971P.
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98US-009981P.
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8.7;
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11-FEB-2000
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24-FEB-2000
02-MAR-2000
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18-NOV-1998
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16-APR-1999
23-JUN-1999
23-JUL-1999
26-JUL-1999
26-JUL-1999
30-NOV-1999
30-NOV-1999
The invention relates to an isolated PRO polypeptide (secreted or transmembrane protein) having at least 80% amino acid sequence identity to an amino acid sequence chosen from 123 fully defined sequences as given in the specification (including their extracellular domains either or without their associated signal peptides. Also include are the
                                                                     New PRO nucleic acid, useful diagnosing or treating tumor
                                                    Example
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                                                     85;
                                                                                                                                 Goddard A, Godowski
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2000WO-US000374.
2000WO-US003365.
2000WO-US005941.
2000WO-US00504.
2000WO-US013705.
2000WO-US013705.
2000WO-US013705.
2000WO-US01441.
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2000WO-US015264.
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2000WO-US015266.
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98US-0108850P
98US-0108851P
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98US-01108904P
98US-0114223P
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98US-011423P
99US-0129674P
99US-0149674P
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98US-0108806P.
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                                                                                                                  ROY MA,
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                                                    294;
                                                                                                                        Desnoyers L, Eaton DL, owski PJ, Grimaldi JC, MA, Smith V, Stewart TA
                                                   558pp;
                                                                     for the manufacture of a or for tissue typing.
                                                    English.
                                                                                                                         TA,
                                                                                                                                 Ferrara N,
Gurney AL,
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Query Match
Best Local Similarity
Matches 24; Conserva
ADF55982
ADF559
AC ADF55
AC AD
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01-SEP-1999;
18-OCT-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      dermatitis; herpetiformis; Crohn's disease; thalassaemia; ss.
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2001US-00946374.
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99WO-US020111.
99US-00403297.
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Hillan
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New PRO nucleic acid, useful diagnosing or treating tumor WPI; 2003-900675/82. for the manufacture of a medicament or for tissue typing.

Baker KP, Botstein Gao W, Goddard A, Pan J, Paoni NF, Williams PM, Wood

Wood WI;

Roy

3

Smith

L, Eaton DL, Ferrara N, Grimaldi JC, Gurney AL, V, Stewart TA, Tumas D,

Fong S; Hillan KJ; Watanabe CK;

Example 85; SEQ ID NO 293; 558pp; English.

The invention relates to an isolated PRO polypeptide (secreted or CC transmembrane protein) having at least 80% amino acid sequence identity to an amino acid sequence chosen from 123 fully defined sequences as CC given in the specification (including their extracellular domains either cor without their associated signal peptides. Also include are the CC nucleotide (NA) sequences encoding PRO, a vector comprising the PRO NA, a host cell comprising the vector, producing PRO, a chimaeric molecule CC comprising PRO fused to a heterologous amino acid sequence, and an antice comprising PRO seeful as molecular weight markers for protein CC producing PRO, a chimaeric molecule comprising the vector, producing PRO, a chimaeric molecule comprising PRO is seeful as molecular weight markers for protein CC useful for tissue typing. PRO and PRO NA are useful as hybridisation CC useful for class to prove the full-length PRO CDNA. PRO NA is cuseful for a cDNA library to isolate the full-length PRO CDNA. PRO NA is seful for generating transgenic animals or knock-out animals which are useful in development and screening useful reagents. PRO NA is also cuseful in development and screening useful reagents. PRO NA is also cuseful in gene therapy. PRO1244, PRO1286 and PRO1303 polypeptides are useful for suppressing immune response. PRO1246 co polypeptide is useful for treating cardiac insufficiency disorders. PRO1246 polypeptide is also useful for treating tumours. PRO1246 and

medicament

either

Fong S; Hillan KJ; Watanabe C

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Matches
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Best Local Similarity
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18-FEB-2000;
04-SEP-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRO1561 polypeptide are useful for stimulating calcium flux in human umbilical vein endothelial cells. PRO1255, PRO1250 and PRO1474 polypeptides are useful for treating bone and/or cartilage disorders (e.g., arthritis) and wound healing. PRO1130, PRO1275 and PRO1418 polypeptides are useful for treating diabetes in skeletal muscle cells and obesity. PRO1265, PRO1244 and PRO1328 polypeptides are useful for treating Berger disease or other nephropathies associated with Schonlein-Henoch purpura, coeliac disease, dermatitis, herpetiformis or Crohn's disease. PRO1478, PRO1365, PRO1412, PRO1279, PRO1304, PRO1306, PRO1418, PRO1410 and PRO1575 are useful in treating thalassaemias. The present requence is a PCR primer used to isolate a cDNA encoding a PRO protein of
                                                                                                                                                                                                      Gao W,
Pan J,
The invention relates to an isolated PRO polypeptide (secreted or transmembrane protein) having at least 80% amino acid sequence as to an amino acid sequence as given in the specification (including their extracellular domains either
                                                                                                        New PRO nucleic acid, useful diagnosing or treating tumor
                                                                                                                                                         WPI; 2003-900675/82
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens
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                                                                                                                                                                                                                                     Baker KP,
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01-SEP-1999;
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                                                                                                                                                                                                                                                                   (GETH ) GENENTECH INC.
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ns PM, Wood
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oddard A, Godowski PJ, Grimaldi JC, Gurney AL,
oni NF, Roy MA, Smith V, Stewart TA, Tumas D,
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99WO-US020111.
99US-00403297.
2000WO-US004342.
2001US-00946374.
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Pred. No.
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                                                                                                          r the manufacture for tissue typing
                                                                           English
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Hillan
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                                                                                                                                                                                                    Watanabe CK;
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RESULT 46
ADH99486
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01-SEP-1998
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                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; PCR; primer; secreted protein; transmembrane protein; PRO; the immune response; cardiac insufficiency disorder; calcium flux; umbilical vein endothelial cell; bone disorder; cartilage disorder;
                                                                                                                                                                                                                                                                                                                                                                        umbilical vein endothelial cell; bone disorder; cartilage disorder; arthritis; wound healing; diabetes; skeletal muscle cells; obesity; Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease; dermatitis; herpetiformis; Crohn's disease; thalassaemia; ss.
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                                                                                                                                                                                                           11-DEC-2001;
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                                                                                                                                                                                                                                                                                                                                   Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human secreted/transmembrane protein PRO1433 PCR primer #1
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98US-0098723P.
98US-0098749P.
98US-00988750P.
98US-0098803P.
98US-0098821P.
98US-0099836P.
98US-0099536P.
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100.0%; Pred. No
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RESULT 47
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29-JUN-2001;
09-JUL-2001;
04-SEP-2001;
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Pan J, F
Williams
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, Goddard A, Godowski PJ,
, Paoni NF, Roy MA, Smith
ams PM, Wood WI;
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; 2001WO-US021066.
; 2001WO-US021735.
; 2001US-00946374.
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                                                                                                                                                                                                                                                                                                                                                                                 y; Schonlein-Henoch purpura; coelia
Crohn's disease; thalassaemia; ss.
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Hillan KJ;
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identity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           tumour;
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98US-0099808P-
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98US-0099816P-
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98US-0100388P-
98US-0100661P-
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L, Eaton DL, I Grimaldi JC, Gu V, Stewart TA,

Gurney AL, Ta, Tumas D,

, Fong S; Hillan KJ; , Watanabe

8

English.

RO polypeptide (secreted 80% amino acid sequence

or identity

agonists in tissue

DB 1;

Length 24; Indels

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18-NOV-1998;
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18-NOV-1998;
22-DEC-1998;
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16-APR-1999;
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23-JUN-1999;
21-SEP-1999;
21-SEP-1000;
21-WAY-2000;
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22-WAY-2000;
22-WAY-2000;
23-AUG-2000;
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Gao W, Goddar
Pan J, Paoni I
Williams PM, 1
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, Goddard A, (
, Paoni NF, Ro
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ilarity 100.0%;
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    3-0099742P.
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3-0099812P.
3-0099812P.
3-0099815P.
3-0100388P.
3-0100380P.
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3-0098821P.
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s; Pred. No. 8.7
0; Mismatches
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PRO; tumour;

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(GETH

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98US-0100584P
98US-0100662P
98US-0100664P
98US-0100664P
98US-0100711P
98US-0100919P
98US-01010084P
98US-01010084P
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98US-01011472P
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98US-01011473P
98US-01011741P
    30-OCT 1998
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10-JEC 1990
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10-JUN
                                                                                              Baker KP,
Gao W, G
Pan J, F
Williams
New secreted and transmembrane PRO nucleic acid, for use in molecular biology, chromosome and gene mapping, in generating antisense RNA and
                                                                                                                                                                                               (GETH
                                                        2004-021098/02.
                                                                                              KP, Botstein D, Desnoyers
, Goddard A, Godowski PJ,
, Paoni NF, Roy MA, Smith
ams PM, Wood WI;
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2000WO-US005866

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2000WO-US005873

2000WO-US005820

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                                                                                                                L, Eaton DL, Ferrara N, Grimaldi JC, Gurney AL, V, Stewart TA, Tumas D,
                                                                                                                  N, Fong S;
NL, Hillan KJ;
D, Watanabe (
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RESULT 49
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ilarity 100.0%;
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DNA, in '
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11-MAX-2000

11-MAX-2000

12-MAY-2000

12-MAY-2000

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Gao W, Goddard A, Godowsl
Pan J, Paoni NF, Roy MA,
Williams PM, Wood WI;
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18-NOV-1998;
   transmembrane protein) hav
to an amino acid sequence
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17-NOV-1998;
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invention relates to an isolated PRO polypeptide (secreted namembrane protein) having at least 80% amino acid sequence an amino acid sequence chosen from 123 fully defined sequence
                                                                                               secreted and transmembrane PRO nucleic acid, for use in molecular logy, chromosome and gene mapping, in generating antisense RNA and, in various diagnostic assays and in gene therapy.
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98US-0107733P.
98US-01087779P.
98US-01087779P.
98US-01087079P.
98US-0108802P.
98US-0108867P.
98US-0108849P.
98US-0108852P.
98US-0108852P.
98US-0108852P.
98US-0108852P.
98US-0108852P.
99US-011422674P.
99US-011425698P.
99US-012021111.
99WO-US021131.
99WO-US028313.
99WO-US028313.
99WO-US028313.
99WO-US020111.
199WO-US03565.
2000WO-US003566.
2000WO-US014941.
2000WO-US015264.
2000WO-US03567.
2000WO-US03328.
2000WO-US03328.
2000WO-US033673.
2000WO-US031666.
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Godowski PJ,
                                                                    293;
                                                                 552pp;
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                                                                                                                                                                                                                   L, Eaton DL, Ferrara N, Grimaldi JC, Gurney AL, V, Stewart TA, Tumas D,
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sequences as

or identity

, Fong S; Hillan KJ; , Watanabe (

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RESULT 50
AD725977
ID AD7259
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XX
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Matches 24
  10-SEP-1998;
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Pred. No. 8.7;
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18-SEP-1998;
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24-SEP-1998;

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Gao W, G
Pan J, F
Williams
                                                                                                                                                                                                                                    Novel isolated PRO polypeptide useful for tissue biological activity of cell, as molecular weight electrophoresis, for treating arthritis, tumor.
                                                                                                                                                                                                                                                                                                                                  WPI;
                                                                                                                                 The invention transmembrane
                                                                                                                                                                                               Example 85; SEQ ID NO 293; 552pp; English.
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W, Goddard A, God
J, Paoni NF, Roy I
iams PM, Wood WI;
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                                         ch 1.0%;
l Similarity 100.0%;
24; Conservative (
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99US-0144758P.
99US-0162506P.
99US-01686P.

                                                                                                                              relates to an isolated PRO polypeptide (secreted protein) having at least 80% amino acid sequence
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Godowski PJ, Grimaldi JC, Gurney AL,
Roy MA, Smith V, Stewart TA, Tumas D,
                                           0,
                                           Score 24; DB; Pred. No. 8.7
                                                                DB 1;
8.7:
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in protein
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98US-0101068P.
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29-SEP-1998 29-SEP-1998 30-SEP-1998 30-SEP-1998 30-SEP-1998 30-SEP-1998 01-OCT-1998 01-OCT-1998 06-OCT-1998 07-OCT-1998 07-OC

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RESULT 51
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XX Human second se
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disease;

tumour;

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RESULT 52
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Matches 24
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Gao W, Goddard A, C
Pan J, Paoni NF, Rc
Williams PM, Wood WJ
                                                                                                                                                                                                                            The invention relates to an isolated PRO polypeptide (secreted transmembrane protein) having at least 80% amino acid sequence
                                                                                                                                                                                                                                                                                                                Novel isolated PRO polypeptide useful for tissue biological activity of cell, as molecular weight electrophoresis, for treating arthritis, tumor
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                                                                                                                                                                           Similarity
                                                                                                         GGAAGTGTCATGGGTGTCTGTGGG 1486
   standard;
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98US-0114723P.
99US-0144758P.
99US-0144758P.
99US-0145698P.
99US-0162506P.
12000WO-US003442.
99WO-US003442.
2000WO-US003442.
2000WO-US003684.
2000WO-US005894.
2000WO-US013524.
2000WO-US03328.
2001WO-US033678.
2001WO-US036666.
2001WO-US036666.
2001WO-US0316520.
2001WO-US0316992.
2001WO-US031780.
2001WO-US031736.
                                                                                                                                                                                                                                                                                 SEQ ID NO 294; 552pp; English.
                                                                                                                                                         1.0%; Scilarity 100.0%; P
Conservative 0;
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   DNA;
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Godowski PJ, Grimaldi JC, Gurney AL,
Roy MA, Smith V, Stewart TA, Tumas D,
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                                                                                                                                                           Score 24; DB; Pred. No. 8.7
                                                                                                                                                                               DB 1;
8.7;
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Hillan KJ;
Watanabe
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 98US-0098803P-
98US-0098843P-
98US-0099536P-
98US-009953P-
98US-0099502P-
98US-0099763P-
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98US-0098723P.
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98US-0098759P.
98US-0098803P.
98US-0098821P.
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RESULT 53
ADF24876
ID ADF24876;
XX ADF24876;
XC ADF24876;
XX T2-FEB-200
XX DE Human seci
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55-JAN 1999

16-APR-1999

23-UUN-1999

26-UUL-1999

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10-SEP-1999

10-SEP-1999

10-DEC-1999

10-DEC-2000

11-MAX-2000

11-MAX-2000

11-DEC-2000

10-DEC-2000

11-DEC-2000

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                                                             12-FEB-2004
                  Human secreted/transmembrane protein PRO1433 PCR primer #1.
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Gao W, Goddard A, God
Pan J, Paoni NF, Roy
Williams PM, Wood WI;
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2000WO-US0000275

2000WO-US000376

2000WO-US005044

2000WO-US005841

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2000WO-US014042

2000WO-US01406864

2000WO-US03328

2000WO-US0332873

2001WO-US032673

2001WO-US016666

2001WO-US017905

2001WO-US017935
                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                   relates to an isolated PRO polypeptide (secreted protein) having at least 80% amino acid sequence
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Godowski PJ, Grimaldi JC, Gurney AL,
Roy MA, Smith V, Stewart TA, Tumas D,
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Pred. No. 8.7;
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Hillan KJ;
, Watanabe (
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23-SEP-1998; 98U 24-SEP-1998; 98U 24-SEP-1998; 98U 24-SEP-1998; 98U 24-SEP-1998; 98U 24-SEP-1998; 98U 24-SEP-1998; 98U 24-SEP-1998; 98U 29-SEP-1998; 98U 29-SEP-1998; 98U 29-SEP-1998; 98U 29-SEP-1998; 98U	Momo sapiens.  XX  XX  XX  XX  XX  XX  XX  XX  XX	<ul> <li>KW Human; PCR; primer; secreted protein; transmembrane protein; PRO; tumour;</li> <li>KW immune response; cardiac insufficiency disorder; calcium flux;</li> <li>KW umbilical vein endothelial cell; bone disorder; cartilage disorder;</li> <li>KW arthritis; wound healing; diabetes; skeletal muscle cells; obesity;</li> <li>KW Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease;</li> <li>KW dermatitis; herpetiformis; Crohn's disease; thalassaemia; ss.</li> <li>XX</li> </ul>
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             Human; PCR; primer; secreted protein; transmembrane protein; PRO; tu immune response; cardiac insufficiency disorder; calcium flux; umbilical vein endothellal cell; bone disorder; cartilage disorder; arthritis; wound healing; diabetes; skeletal muscle cells; obesity; Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac diseadermatitis; herpetiformis; Crohn's disease; thalassaemia; ss.
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Godowski
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MA, Smith V, Stewart TA, Tumas D,
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              lein-Henoch purpura; coeliac disease; disease; thalassaemia; ss.
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                                                                                                                                                                                                                                                                               Human; PCR; primer; secreted protein; transmembrane protein; PRO; tumous immune response; cardiac insufficiency disorder; calcium flux; umbilical vein endothelial cell; bone disorder; cartilage disorder; arthritis; wound healing; diabetes; skeletal muscle cells; obesity; Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease; dermatitis; herpetiformis; Crohn's disease; thalassaemia; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New isolated PRO polypeptide useful for tissue typing, modulating the biological activity of a cell, as molecular weight markers in protein electrophoresis, and for treating e.g. arthritis, or tumor.
       11-DEC-2001; 2001US-00015519.
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Gao W, Goddard A, Godows
Pan J, Paoni NF, Roy MA,
Williams PM, Wood WJ;
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Godowski PJ, Grimaldi JC, Gurney AL,
Roy MA, Smith V, Stewart TA, Tumas D,
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Hillan KJ;
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Matches 24
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Pan J, Paoni NF, Ro
Williams PM, Wood W
·01-SEP-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New isolated PRO polypeptide useful for tissue typing, modulating the biological activity of a cell, as molecular weight markers in protein electrophoresis, and for treating e.g. arthritis, or tumor.
                                                                                                                                                                                                                                                                                                                                                                                       Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               transmembrane
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            invention relates to an isolated PRO polypeptide (secreted namembrane protein) having at least 80% amino acid sequence
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l Similarity 100.0%; P
24; Conservative 0;
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2000WO-US015264.
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Godowski PJ, Grimaldi JC, Gurney AL,
Roy MA, Smith V, Stewart TA, Tumas D,
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Pred. No.
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Hillan KJ;
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Gao W, Goddard
Pan J, Paoni N
Williams PM, V
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human; PCR; primer; secreted protein; transmembrane protein; PRO; tumou immune response; cardiac insufficiency disorder; calcium flux; umbilical vein endothelial cell; bone disorder; cartilage disorder; arthritis; wound healing; diabetes; skelettal muscle cells; obesity; Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease; dermatitis; herpetiformis; Crohn's disease; thalassaemia; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The invention relates to an isolated PRO polypeptide (secreted or transmembrane protein) having at least 80% amino acid sequence ide to an amino acid sequence chosen from 123 fully defined sequences given in the specification (including their extracellular domains or without their associated signal peptides. Also include are the
                                                                                                                                                                                                                                                                                                           07-DEC-2001;
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20-JUN-2001; 2001WO-US019692.
29-JUN-2001; 2001WO-US021066.
09-JUL-2001; 2001WO-US021735.
04-SEP-2001; 2001US-00946374.
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W, Goddard A, Godowsk
J, Paoni NF, Roy MA,
iams PM, Wood WI;
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Godowski PJ,
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Grimaldi JC, Gu
V, Stewart TA,
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Gao W, Goddard A, C
Pan J, Paoni NF, Ro
Williams PM, Wood WJ
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01-SEP-1998
01-SEP-1998
02-SEP-1998
02-SEP-1998
02-SEP-1998
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; PCR; primer; secreted protein; transmembrane protein; PRO; tumou immune response; cardiac insufficiency disorder; calcium flux; umbilical vein endothelial cell; bone disorder; cartilage disorder; arthritis; wound healing; diabetes; skeletal muscle cells; obesity; Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease;
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, Watanabe CK;
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owski PJ, Grimaldi JC, Gurney AL,
MA, Smith V, Stewart TA, Tumas D,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Novel isolated PRO I
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24-FEB-2000;
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Baker KP, Gao W, G Pan J, P Williams

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Pan J, Paoni NF, Roy
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invention relates to an isolated PRO polypeptide (secreted
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ders, diabetes
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transmembrane protein) having at least 80% amino acid sequence identity CC to an amino acid sequence chosen from 123 fully defined sequences as given in the specification (including their extracellular domains either CC given in the specification (including their extracellular domains either CC or without their associated signal peptides. Also include are the nucleotide (NA) sequences encoding PRO, a vector comprising the PRO NA, a Chose teell comprising the vector, producing PRO, a chimaeric molecule comprising PRO fused to a heterologous amino acid sequence, and an anti-CC electrophoresis and also for chromosome identification. PRO is also CC useful for tissue typing. PRO and PRO NA are useful as hybridisation CC useful for generating transgenic animals or knock-out animals which are useful in development and screening useful resgents. PRO NA is also cuseful in gene therapy. PRO1244, PRO1286 and PRO1303 polypeptides are useful for treating cancerous tumours. PRO1250, PRO1418 and PRO1410 CC polypeptides are useful for suppressing immune response. PRO1246
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
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Matches 24
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Pan J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 transmembrane protein) having at least 80% amino acid sequence identity to an amino acid sequence chosen from 123 fully defined sequences as given in the specification (including their extracellular domains either or without their associated signal named and account their associated signal named and account their associated signal named account to the signal named account the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New PRO polypeptides and nucleic acids encoding the polypeptides, useful in gene therapy, chromosome identification, tissue typing, or as hybridization probes in chromosome and gene mapping.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            04-SEP-2001; 2001US-00946374.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        06-DEC-2001; 2001US-00006746.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 immune response; cardiac insufficiency disorder; calcium flux; umbilical vein endothelial cell; bone disorder; cartilage disorder; arthritis; wound healing; diabetes; skeletal muscle cells; obesity; Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease; dermatitis; herpetiformis; Crohn's disease; thalassaemia; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADH04135 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to an isolated PRO polypeptide (secreted or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        27-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US2003220471-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human secreted/transmembrane protein PRO1433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      11-MAR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           without their associated signal peptides. Also include are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1463 GGAAGTGTCATGGGTGTCTGTGGG 1486
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2004-010888/01
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PCR; primer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Paoni NF,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Botstein D, Desnoyers L, Eaton DL, Ferrara N,
oddard A, Godowski PJ, Grimaldi JC, Gurney AL,
oni NF, Roy MA, Smith V, Stewart TA, Tumas D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ID NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1.0%; Score 24; DB 1;
100.0%; Pred. No. 8.7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             secreted protein; transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             293; 554pp; English.
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Hillan
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Watanabe CK;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRO; tumour;
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ARBOULT 61
ADHO4136/c
ID ADHO41
XX ADHO41
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XX Human
DE Human
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KW immune
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; PCR; primer; secreted protein; transmembrane protein; PRO; tumou immune response; cardiac insufficiency disorder; calcium flux; umbilical vein endothelial cell; bone disorder; cartilage disorder; arthitis; wound healing; diabetes; skeletal muscle cells; obseity; Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease; dermatitis; herpetiformis; Crohn's disease; thalassaemia; ss.
                                                                                                                                                                                                                                                               New PRO polypeptides and nucleic acids encoding the polypeptides, in gene therapy, chromosome identification, tissue typing, or as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human secreted/transmembrane protein PRO1433 PCR primer
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Baker KP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        04-SEP-2001; 2001US-00946374
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              06-DEC-2001; 2001US-00006746.
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                                                                                                                                                                                                                                                                                                                                                     WPI; 2004-010888/01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                          ט W, Goddar
יו J, Paoni
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1041
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                                                                                                                                                                                                                                                                                                                                                                                                                                          P, Botstein D, Desnoyers L, Eaton DL, I
Goddard A, Godowski PJ, Grimaldi JC, Gi
Paoni NF, Roy MA, Smith V, Stewart TA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GCTGACCTGGTTCCCATCTACTCC
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                                                                                                                                                                                                                                                                                                                                                                                                                  Wood
                                                                                                                                                                                                                                                                                                                                                                                                                  ROY MA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          G; 7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1064
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A, Tumas D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ferrara N,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                          Fong S;
Hillan KJ;
Watanabe CK;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0
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The invention relates to an isolated PRO polypeptide (secreted or transmembrane protein) having at least 80% amino acid sequence ide to an amino acid sequence chosen from 123 fully defined sequences given in the specification (including their extracellular domains or without their associated signal peptides. Also include are the

or identity

either

Example

85; SEQ ID NO 294; 554pp; English

probes

in

chromosome

gene

mapping.

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CC host cell comprising the vector, producing PRO, a chimaeric molecule CC comprising PRO fused to a heterologous amino acid sequence, and an anti-
CC PRO antibody. Pro is useful as molecular weight markers for protein
CC electrophoresis and also for chromosome identification. PRO is also
CC useful for tissue typing PRO and PRO NA are useful as hybridisation
CC probes for a cDNA library to isolate the full-length PRO cDNA. PRO NA is
CC useful in development and screening useful reagents. PRO NA is also
CC useful in development and screening useful reagents. PRO NA is also
CC useful in gene therapy. PRO1244, PRO1250, PRO1418 and PRO1410
CC polypeptides are useful for suppressing immune response. PRO1246
CC polypeptide is useful for suppressing immune response. PRO1246
CC polypeptide is also useful for treating calcium flux in human
CC umbilical vein endothelial cells. PRO1250, PRO1250 and PRO1474
CC polypeptides are useful for treating bone and/or cartilage disorders
CC (e.g. arthritis) and wound healing. PRO1205, PRO1275 and PRO1418
CC polypeptides are useful for treating bone and/or cartilage disorders
CC (e.g. arthritis) and wound healing. PRO1130, PRO1275 and PRO1418
CC polypeptides are useful for treating bone and/or cartilage disorders
CC treating Berger disease or other nephropathies associated with Schonlein-
CC disease. PRO1478, PRO1265, PRO1244, PRO1306, PRO1418,
CC ground PRO1478, PRO1265 are useful in treating thalassaemias. The present
CC sequence is a PCR primer used to isolate a cDNA encoding a PRO protein of
CC the invention.
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Best Local S
Matches 24
                                                                                                                                                                                                                  29-OCT-1999;
18-FEB-2000;
04-SEP-2001;
Baker KP, Botstein D, De
Gao W, Goddard A, Godows
Pan J, Paoni NF, Roy MA,
Williams PM, Wood WI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human; PCR; primer; secreted protein; transmembrane protein; PRO; to immune response; cardiac insufficiency disorder; calcium flux; umbilical vein endothelial cell; bone disorder; cartilage disorder; arthritis; wound healing; diabetes; skeletal muscle cells; obesity; Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disea dermatitis; herpetiformis; Crohn's disease; thalassaemia; ss.
                                                                                                                                                                                                                                                                                                                                          21-AUG-2002; 2002US-00226254.
                                                                                                                                                                                                                                                                                                                                                                                                           04-DEC-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human secreted/transmembrane protein PRO1433 PCR primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADH03659 standard; DNA; 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                11-MAR-2004
                                                                                                                                                        (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      nucleotide (NA) sequences encoding PRO, a vector comprising the PRO NA, a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1463
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GGAAGTGTCATGGGTGTCTGTGGG 1486
                                                       Botstein D, Desno
ddard A, Godowski
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BP; 7 A; 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                  2000WO-US004342
2001US-00946374
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                   99US-0162506P.
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                                                                                          Desnoyers L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         C; 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     gg.
                                Smith
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                         L, Eaton DL, Ferrara N, Grimaldi JC, Gurney AL, V, Stewart TA, Tumas D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 1; Length 24;
8.7;
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                                                             臣
                                                          Fong S;
Hillan K
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ç.
                                Watanabe CK;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRO; tumour;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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New secreted and transmembrane PRO polypeptides and nucleic acid molecules, useful in gene therapy, or preparing a medicament for a condition that is responsive to the PRO polypeptide or anti-PRO
Example 85; SEQ ID NO 294; 557pp; English
                                                                                 antibody, e.g. cancer
                                                                                                                                                                                                                                                                            WPI; 2004-022072/02
                                                                                                                                                          treating
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The invention relates to an isolated PRO polypeptide (secreted or Cransmembrane protein) having at least 80% amino acid sequences as sequence in the specification (including their extracellular domains either C given in the specification (including their extracellular domains either C nucleotide (NA)sequences encoding PRO, a vector comprising the PRO NA, a CC host cell comprising the vector, producing PRO, a chimaeric molecule C comprising PRO fused to a heterologous amino acid sequence, and an anti-C PRO antibody. Pro is useful as molecular weight markers for protein CC electrophoresis and also for chromosome identification. PRO is also cuseful for tissue typing. PRO and PRO NA are useful as hybridisation CC probes for a cDNA library to isolate the full-length PRO CDNA. PRO NA is useful in development and screening useful reagents. PRO NA is also cuseful for generating transgenic animals or knock-out animals which are useful in gene therapy. PRO1244, PRO1286 and PRO1303 polypeptides are useful for suppressing immune response. PRO1246 polypeptide is useful for treating cardiac insufficiency disorders. CC polypeptides are useful for treating cardiac insufficiency disorders. CC polypeptides are useful for treating cardiac insufficiency disorders. CC polypeptides are useful for treating cardiac insufficiency disorders. CC polypeptides are useful for treating cardiac insufficiency disorders. CC polypeptides are useful for treating bone and/or cartilage disorders combilical vein endothelial cells. PRO1255, PRO1246 and PRO1474 pro1265, PRO1444 and PRO1382 polypeptides are useful for treating disbetes in skeletal muscle cells cand obsestly. PRO1265, PRO1444 and PRO1382 polypeptides are useful for carting disbetes are useful for creating cardiac disease. PRO1275 and PRO1418, CC disease. PRO1478, PRO1265, PRO1412, PRO1306, PRO1418, CC disease. PRO1478, PRO1265, PRO1412, PRO1306, PRO1418, CC disease. PRO1478, PRO1265, PRO1412, PRO1306, PRO1418, CC disease. PRO1478, PRO1265, PRO1418, CC disease. PRO1478, PRO1265, PRO1478,

Sequence 24 BP; 7 P 12 Ç N ç. w H ; 0 u, 0 Other;

Best Loo Matches Query Match Local Similarity Conservative 1.0%; Score 24; DB 1; Length 24; Pred. No. 8.7; 0; Mismatches 0 Indels 0 Gaps 0

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밁
              Ś
               1463
        GGAAGTGTCATGGGTGTCTGTGGG 1486
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RESULT 63
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ADH03658

ADH03658 standard; DNA; 24

11-MAR-2004 (first entry)

Human secreted/transmembrane protein PRO1433 PCR primer #

Human; PCR; primer; secreted protein; transmembrane protein; PRO; the immune response; cardiac insufficiency disorder; calcium flux; umbilical vein endothelial cell; bone disorder; cartilage disorder; Homo sapiens arthritis; wound healing; diabetes; skeletal muscle cells; obesity; Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease; dermatitis; herpetiformis; Crohn's disease; thalassaemia; ss. tumour;

US2003224478-A1

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CC given in the specification (including their extracellular domains either converted their associated signal peptides. Also include are the nucleotide (NA) sequences encoding PRO, a vector comprising the PRO NA, a CC host cell comprising the vector, producing PRO, a chimaeric molecula CC comprising PRO fused to a heterologous amino acid sequence, and an anti-cell comprising the vector, producing PRO, a chimaeric molecula CC comprising PRO is useful as molecular weight markers for protein CC probes for a cDNA library to isolate the full-length PRO CDNA. PRO NA is useful for treating transgenic animals or knock-out animals which are CC useful for generating transgenic animals or knock-out animals which are useful in gene therapy. PRO1244, PRO1286 and PRO1303 polypeptides are useful for suppressing immune response. PRO1246 collypeptide is useful for suppressing immune response. PRO1246 polypeptide is also useful for treating transpenses pro1250, PRO1418 and PRO1410 CC polypeptide is also useful for treating that pro1250 and PRO1474 cc polypeptide are useful for treating the pro1250 and PRO1474 cc polypeptides are useful for treating bone and/or cartilage disorders (e.g., arthritis) and wound healing. PRO1265, PRO1275 and PRO1418 cc polypeptides are useful for treating tone and/or cartilage disorders (cc and observe, PRO1255, PRO1244 and PRO1301, PRO1375 and PRO1418 cc polypeptides are useful for treating this associated with Schonlein-CC disease. PRO1478, PRO1265, PRO1279, PRO1306, PRO1418. Cc pro1410 and PRO1575 are useful in treating thalassaemias. The present cc the invention.
                                                                  RESULT 64
ADH04613/c
                                                                                                                                                                                                                                           Query Match
Best Local S
Matches 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            29-OCT-1999;
18-FEB-2000;
04-SEP-2001;
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Pan J, P
Williams
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New secreted and transmembrane PRO polypeptides and nucleic acid molecules, useful in gene therapy, or preparing a medicament for treating a condition that is responsive to the PRO polypeptide or anti-PRO
    ADH04613;
                                                                                                                                                                                                                                                                                                                                   Sequence 24 BP;
                                              ADH04613 standard; DNA; 24 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 85; SEQ ID NO 293; 557pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             antibody, e.g. cancer.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       e invention relates to an isolated PRO polypeptide (secreted or ansmembrane protein) having at least 80% amino acid sequence identity an amino acid sequence chosen from 123 fully defined sequences as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          invention relates
                                                                                                                                                                               1041 GCTGACCTGGTTCCCATCTACTCC 1064
                                                                                                                                                                                                                                                                                                                                                                                 invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    , Goddard A,
, Paoni NF,
ams PM, Wood
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                                                                                                                                                                                                                                             24;
                                                                                                                                                                                                                                                                  Similarity
                                                                                                                                                        GCTGACCTGGTTCCCATCTACTCC 24
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2000WO-US004342.
2001US-00946374.
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Godowski
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                                                                                                                                                                                                                                                                  100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        to an isolated PRO
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owski PJ, Grimaldi JC, Gurney AL,
MA, Smith V, Stewart TA, Tumas D
                                                                                                                                                                                                                                                                                                                                   C; 4 G;
                                                                                                                                                                                                                                             <u>,</u>
                                                                                                                                                                                                                                                                  Score 24;
Pred. No.
                                                                                                                                                                                                                                                                                                                                   7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                             Mismatches
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                                                                                                                                                                                                                                                                  B.7;
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                                                                                                                                                                                                                                                                                     Length 24;
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Hillan KJ;
, Watanabe CK;
                                                                                                                                                                                                                                           0
                                                                                                                                                                                                                                           Gaps
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    09-SEP-1998
10-SEP-1998
110-SEP-1998
110-SEP
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01-SEP-1998,
01-SEP-1998,
01-SEP-1998,
02-SEP-1998,
02-SEP-1998,
02-SEP-1998,
02-SEP-1998,
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25-MAR-2004 (first entry)
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Human secreted/transmembrane
 protein PRO1433 PCR
 primer
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Human; PCR; primer; secreted protein; transmembrane protein; PRO; tumou immune response; cardiac insufficiency disorder; calcium flux; umbilical vein endothelial cell; bone disorder; cartilage disorder; arthritis; wound healing; diabetes; skeletal muscle cells; obesity; Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease; dermatitis; herpetiformis; Crohn's disease; thalassaemia; ss. PRO; tumour;

2001US-00011795

98US-0098803P. 98US-0098821P. 98US-0098843P. 98US-0098716P. 98US-0098723P.

98US-009843P
98US-0099556P
98US-009959P
98US-009959P
98US-0099642P
98US-0099754P
98US-0099763P
98US-0099815P
98US-0099815P
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98US-0009815P
98US-0100584P
98US-0100662P
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98US-01010710P
98US-0101477P
98US-0101477P
98US-0101477P
98US-0101773P

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RESULT 65
ADH04612
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AC ADH04
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23-JUN-1999
20-JUL-1999
20-JUL-1999
21-SEP-1999
21-SEP-1999
22-OCT-1999
23-NCV 1999
23-DCC-1999
20-DEC-1999
20-DEC-2000
21-MAX-2000
22-MAX-2000
23-AUG-2000
24-AUG-2000
24-AUG-2000
21-NCV-2000
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Gao W, G
Pan J, F
Williams
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                                                                                                               Human secreted/transmembrane
                                                                                                                                                                                        25-MAR-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 85; SEQ ID NO
Human; PCR; primer; secreted protein; transmembrane protein; Pimmune response; cardiac insufficiency disorder; calcium flux;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Novel isolated
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Local Similarity 100.0%; For the second s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1463 GGAAGTGTCATGGGTGTCTGTGGG
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                                                                                                                                                                                                                                                                                                                                       standard;
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99US-0141037P.
99US-0144758P.
99US-0144758P.
99US-0146598P.
99US-0162501194.
99WO-US0221194.
99WO-US028551.
199WO-US028551.
2000WO-US0003565.
2000WO-US004342.
2000WO-US005841.
2000WO-US005841.
2000WO-US005841.
2000WO-US015944.
2000WO-US015944.
2000WO-US01594.
2000WO-US01594.
2000WO-US01594.
2000WO-US014941.
2000WO-US03378.
2000WO-US03378.
2000WO-US03378.
2000WO-US03378.
                                                                                                                                                                                        (first entry)
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                                                                                                                                                                                                                                                                                                                                       DNA;
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                                                                                                                                                                                                                                                                                                                                       24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 24; DB; Pred. No. 8.7
                                                                                                           protein PRO1433 PCR primer
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y disorders, thalassemia,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 1;
8.7;
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Watanabe CK;
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                                      PRO; tumour;
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identity
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29-SEP-1998 29-SEP-1998 30-SEP-1998 30-SEP-1998 30-SEP-1998 30-SEP-1998 01-OCT-1998 01-OCT-1998 06-OCT-1998 07-OCT-1998 07-OC

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RESULT 66
ADH613
ID ADH61
XX ADH61
XX ADH61
XX 22-AF
DT 22-AF
XX Human
XX Human
XW immun
KW immun
KW immun
KW arthr
KW arthr
KW Berrge
KW Berrge
XX
XX Human
XX ATH
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Best Local (
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arthritis.
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10-JUN-2001
29-JUN-2001
29-JUN-2001
                                             Human; PCR; primer; secreted protein; transmembrane protein; PRO; tumou immune response; cardiac insufficiency disorder; calcium flux; umbilical vein endothelial cell; bone disorder; cartilage disorder; arthritis; wound healing; diabetes; skeletal muscle cells; obesity; Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease; dermatitis; herpetiformis; Crohn's disease; thalassaemia; ss.
                     Homo sapiens
                                                                                                                                                              Human secreted/transmembrane
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Gao W, Goddard A, Godowsk
Pan J, Paoni NF, Roy MA,
Williams PM, Wood WI;
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                                                                                                                                                                                                                                                               standard;
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99WO-US02851
29WO-US030055.
2000WO-US0000376.
2000WO-US0004342.
2000WO-US005044.
2000WO-US00584.
2000WO-US013705.
2000WO-US014941.
2000WO-US014941.
2000WO-US015264.
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2000WO-US03328.
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                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   relates to an isolated PRO polypeptide (secreted protein) having at least 80% amino acid sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    O polypeptide, useful f cardiac insufficiency
                                                                                                                                                                                                                                                               DNA;
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Godowski PJ, Grimaldi JC, Gurney AL,
ROY MA, Smith V, Stewart TA, Tumas D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  293; 563pp; English.
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                                                                                                                                                              protein PRO1433 PCR
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y disorders, thalassemia,
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8.7;
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                                                                                                                                                             primer
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Hillan KJ;
, Watanabe CK;
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                                                                                                                             PRO; tumour;
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98US-0098803P
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98US-0099536P
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RESULT 67
ADH61614/c
ID ADH616
XX ADH616
XX ADH616
XX ADH616
XX Human
DE Human
XX Human;
KW Immune
KW umbili
KW arthri
KW arthri
KW dermat
XX dermat
XX US2004
XX JOS204
PD 22-JAN
XX PP 07-DEC
XX OT-SEP
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Matches 24
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17-MAR-2000;
17-MAY-2000;
22-MAY-2000;
02-MAY-2000;
02-JUN-2000;
02-JUN-2000;
03-MCY-2000;
04-MCY-2000;
01-DEC-2000;
01-JUN-2001;
01-JUN-2001;
01-JUN-2001;
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01-JUN-2001;
01-JUN-2001;
01-JUN-2001;
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01-JUN-2001;
                                                                                                                            Human; PCR; primer; secreted protein; transmembrane protein; PRO; tumou immune response; cardiac insufficiency disorder; calcium flux; umbilical vein endothelial cell; bone disorder; cartilage disorder; arthritis; wound healing; diabetes; skeletal muscle cells; obesity; Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease; dermatitis; herpetiformis; Crohn's disease; thalassaemia; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Baker KP,
Gao W, G
Pan J, P
Williams
 01-SEP-1998;
                          07-DEC-2001; 2001US-00012231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The invention relates to an isolated PRO polypeptide (secreted or transmembrane protein) having at least 80% amino acid sequence ide to an amino acid sequence chosen from 123 fully defined sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Novel isolated PRO polypeptide useful for tissue biological activity of cell, as molecular weight electrophoresis, for treating arthritis, tumor.
                                                                              US2004014130-A1
                                                                                                      Homo sapiens
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                                                                                                                                                                                                                         secreted/transmembrane
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, Goddard A, Godowski PJ,
, Paoni NF, Roy MA, Smith
ams PM, Wood WI;
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Listy 100.0%;
Conservative
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2000WO-US030952.
2000WO-US030873.
2000WO-US032678.
2001WO-US0066520.
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2001WO-US017800.
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2001WO-US021735.
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Pred. No.
                                                                                                                                                                                                                        protein PRO1433 PCR primer
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                                                                                                                                                                                                                                                                                                                                                                                                1064
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                                                                                                                                                                                                                                                                                                                                                                       24
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Hillan KJ;
, Watanabe (
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identity
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21-SEP

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98US-0099596P 98US-0099598P 98US-0099763P 98US-0099774P 98US-00997759P 98US-0099816P 98US-0099816P 98US-0099816P 98US-0100385P 98US-0100386P 98US-0100390P 98US-0100390P 98US-0100662P 98US-0100664P 98US-0100664P 98US-0100664P 98US-0100664P 98US-0100664P 98US-0100649P 98US-010071P 98US-010071P 98US-0101477P 98US-0101475P 98US-0101475P 98US-0101475P 98US-0101475P 98US-0101475P 98US-0101475P 98US-0101475P 98US-0101475P 98US-0101475P 98US-0101475P 98US-0101475P 98US-0101475P 98US-0101475P 98US-0101475P 98US-0101475P 98US-0101475P 98US-0101475P 98US-0101475P 98US-0101475P 98US-0101475P 98US-0101475P 98US-0103314P 98US-0103314P 98US-0103314P 98US-0103315P 98US-0103315P 98US-0103315P 98US-0103315P 98US-0103315P 98US-0103315P 98US-0103315P 98US-0103315P 98US-0103315P 98US-0103315P 98US-0103315P 98US-0103315P 98US-0103315P 98US-0103405P 98US-0103405P 98US-0103405P 98US-0103405P	98US-0098723P. 98US-0098749P. 98US-0098750P. 98US-0098803P. 98US-0098821P. 98US-0098843P.
PR 22-0CT-1998; PR 26-0CT-1998; PR 27-0CT-1998; PR 27-0CT-1998; PR 27-0CT-1998; PR 28-0CT-1998; PR 28-0CT-1998; PR 28-0CT-1998; PR 28-0CT-1998; PR 28-0CT-1998; PR 29-0CT-1998; PR 29-0CT-1998; PR 29-0CT-1998; PR 29-0CT-1998; PR 30-NOV-1998; PR 30-NOV-1998; PR 31-NOV-1998; PR 11-NOV-1998; PR 11-NOV-1998	
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RESULT 68
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Best Local S
Matches 24
                              23-SEP-1998;
20-JUL-1999;
01-SEP-1999;
18-OCT-1999;
18-FEB-2000;
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08-NOV-2000;
10-NOV-2000;
01-DEC-2000;
28-FEB-2001;
01-MAR-2001;
01-JUN-2001;
20-JUN-2001;
                                                                                                                                                                                    Human; PCR; primer; secreted protein; transmembrane protein; PRO; tumou immune response; cardiac insufficiency disorder; cartilium flux; umbilical vein endothelial cell; bone disorder; cartilitis; wound healing; diabetes; skeletal muscle cells; obesity; Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease; dermatitis; herpetiformis; Crohn's disease; thalassaemia; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to an isolated PRO polypeptide (secreted or transmembrane protein) having at least 80% amino acid sequence identity to an amino acid sequence chosen from 123 fully defined sequences as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Baker I
Gao W,
Pan J,
                                                                                                                                                                                                                                                                                          01-JUL-2004
                                                                                                                                                                                                                                                                                                                                     ADL94813 standard; DNA; 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    electrophoresis,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Novel isolated PRO polypeptide useful for tissue typing, modulating biological activity of cell, as molecular weight markers in protein
                                                                                                12-DEC-2001; 2001US-00015395
                                                                                                                       15-APR-2004.
                                                                                                                                            US2004073015-A1.
                                                                                                                                                                 Homo sapiens
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                                                                                                                                                                                                                                                                 secreted/transmembrane protein PRO1433
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GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Similarity
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Goddard A,
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                                                                                                                                                                                                                                                                                                                                                                                             GGAAGTGTCATGGGTGTCTGTGGG 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2000WO-US023328
2000WO-US030973.
2000WO-US030873.
2000WO-US032678
2001WO-US0066520.
2001WO-US017800
2001WO-US017800
2001WO-US017800
2001WO-US021735.
                  ; 98US-0101477P.

; 99US-0144758P.

99WO-US020111.

; 99US-00403297.

; 2000WO-US004342.

; 2001US-00946374.
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Wood WI;
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                                                                                                                                                                                                                                                                                         entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             294; 562pp; English
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    arthritis,
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Hillan
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                                                                                                                                                                                                                                            PRO; tumour;
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RESULT 69
ADL94812
ID ADL94812
XX ADL94
AC ADL94
XX D194
XX O1-JU
DT O1-JU
XX Humar
XX Humar
XX Humar
XX Humar
XX Humar
XX Humbil
KW umbil
KW arthx
KW Berge
KW Berge

Human

secreted/transmembrane

protein PRO1433 PCR primer

(first entry)

Human; PCR; primer; secreted protein; transmembrane protein; PRO; tumbune response; cardiac insufficiency disorder; calcium flux; umbilical vein endothelial cell; bone disorder; cartilage disorder; arthritis; wound healing; diabetes; skeletal muscle cells; obesity; Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease.

disease;

tumour;

밁 8

24

GGAAGTGTCATGGGTGTCTGTGGG 1486

ADL94812 standard;

DNA;

24

Query Match Best Local S Matches

Local Similarity

Conservative

100.0%; --

Score 24; DB 1; pred. No. 8.7;

Length 24;

Mismatches

0

Indels

0

Gaps

0

Sequence

24

BP; 7

ð

12 C; 2

G; 3

T;

u; 0

Other;

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crams membrane protein) having at least 80% amino acid sequence identity
cc given in the specification (including their extracellular domains either
cc given in the specification (including their extracellular domains either
cc or without their associated signal peptides. Also include are the
cc mucleotide (NA) sequences encoding PRO, a vector comprising the PRO NA, a
cc host cell comprising the vector, producing PRO, a chimaeric molecula
cc comprising PRO fused to a heterologous amino acid sequence, and an anti-
cc electrophoresis and also for chromosome identification. PRO is also
cc useful for tissue typing. PRO and PRO NA are useful no related to the reapy
cc useful for generating transgenic animals or knock-out animals which are
cc useful in gene therapy. PRO1244, PRO1286 and PRO1303 polypeptides are
cc useful in development and screening useful reagents. PRO NA is
cc useful for treating cancerous tumours. PRO1418 and PRO1410
cc polypeptide is useful for treating cardiac insufficiency disorders.
cc polypeptide is useful for treating cardiac insufficiency disorders.
cc polypeptides are useful for treating terminating calcium flux in human
cc election Berger disease or other nephropathies associated with Schonlein-
cc treating Berger disease or other nephropathies associated with Schonlein-
cc disease. PRO1419, PRO1255, PRO1412, PRO1304, PRO1304, PRO1418,
cc PRO1410 and PRO1575 are useful in treating thalassaemias. The present
cc the invention.
New PRO polynucleotides and polypeptides, useful in promoting wound healing and in diagnosing and treating cancer, neurodegenerative diseases, stroke, hypertension or diabetes mellitus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Baker KP, Botstein
Gaoww: #Goddard A,
Panty, #Paoni NF, F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to an isolated PRO polypeptide (secreted transmembrane protein) having at least 80% amino acid sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2004-315422/29.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           85; SEQ ID NO 294; 550pp; English.
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, Godowski PJ, Grima
Roy MA, Smith V, 9
d WI;
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Grimaldi JC, Gv
V, Stewart TA,
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Gurney AL,
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Hillan KJ;
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Homo sapiens

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The invention relates to an isolated PRO polypeptide (secreted or CC transmembrane protein) having at least 80% amino acid sequence identity CC to an amino acid sequence chosen from 123 fully defined sequences as CC given in the specification (including their extracellular domains either CC nucleotide (RA) sequences encoding PRO, a vector comprising the PRO NA, a CC host cell comprising the vector, producing PRO, a chimseric molecule CC comprising PRO fused to a heterologous amino acid sequence, and an anti-CC PRO antibody. Pro is useful as molecular weight markers for protein CC electrophoresis and also for chromosome identification. PRO is also CC useful for tissue typing. PRO and PRO NA are useful as hybridisation CC probes for a cDNA library to isolate the full-length PRO CNA. PRO NA is CC useful in development and screening useful reagents. PRO NA is also CC useful for treating cancerous tumours. PRO1250, PRO1418 and PRO1410 CC polypeptides are useful for suppressing immune response. PRO1246 and CC polypeptide is also useful for treating transgenic immune response. PRO1246 and CC polypeptide are useful for treating cardiac insufficiency disorders. CC polypeptides are useful for treating bone and/or cartilage disorders (e.g., arthritis) and wound healing. PRO130, PRO1250 and PRO1474 polypeptides are useful for treating diabetes in skeltatal muscle cells polypeptides are useful for treating diabetes in skeltatal muscle cells (e.g., arthritis) and wound healing. PRO130, PRO1250 and PRO1474 pro1304, PRO1265, PRO1412, PRO1275, PRO1275 and PRO1418 (CC playeptides are useful for treating diabetes in skeltatal muscle cells collected. PRO1410 and PRO1478, PRO1265, PRO1412, PRO1479, PRO1304, PRO1306, PRO1418, CC disease. PRO1478, PRO1265, PRO1412, PRO1479, PRO1304, PRO1306, PRO1418, CC disease. PRO1478, PRO1265, PRO1412, PRO1379, PRO1306, PRO1418, CC disease. PRO1478, PRO1265, PRO1412, PRO1479, PRO1306, PRO1418, PRO141
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20-JUL-1999;
01-SEP-1999;
18-OCT-1999;
18-FEB-2000;
04-SEP-2001;
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Williams
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Baker
Gao W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 85; SEQ ID NO 293; 550pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          diseases, stroke, hypertension or diabetes mellitus.
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99US-0144758P.
99WO-US020111.
99WS-00403297.
2000WO-US004342.
2001US-00946374.
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owski PJ, Grimaldi JC, Gurney AL,
MA, Smith V, Stewart TA, Tumas D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        , Fong S
Hillan
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Hillan KJ;
Watanabe CK;
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1041 GCTGACCTGGTTCCCATCTACTCC 1064

24

Query Match Best Local ( Matches

Similarity

1.0%; ilarity 100.0%; Conservative

0;

Mismatches

0; Indels Length 24;

٥, Gaps

0

24

BP; 3 A;

10

C; 4 G; 7 T; 0 U; 0 Other;

Score 24; DB 1; ; Pred. No. 8.7;

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RESULT 70
AD042528
ID AD042528
XX AD04262
XX
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14-DEC-2001
14-DEC-2001
17-DEC-2001
17-DEC-2001
17-DEC-2001
18-DEC-2001
20-DEC-2001
31-DEC-2001
01-FEB-2002
26-FEB-2002
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26-FEB-2002
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27-FEB-2002
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28-FEB-2002
15-MAR-2002
11-MAR-2002
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                    2001US-0338285P.
2001US-0338318P.
2001US-033898P.
2001US-0339514P.
2001US-0339514P.
2001US-0339517P.
2001US-0339517P.
2001US-0340408P.
2001US-0340408P.
2001US-03404408P.
2001US-0341468P.
2001US-0341477P.
2001US-0341768P.
2001US-0341768P.
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2001US-0341768P.
2001US-0341768P.
2001US-034259P.
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2002US-0353288P.
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2002US-03595671P.
2002US-0359569P.
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2002US-036102BP.
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2002US-0364978P.
2002US-0364978P.
2002US-0386984P.
2002US-03869478P.
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2002US-0364738P.
2002US-0364738P.
2002US-0364978P.
2002US-038898P.
2002US-038898P.
2002US-03883534P.
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Agee MI, Alsobrow ..., Dij
Burgess CE, Catterton E, Dij
Ellerman K, Gangolli EA, Ge
Herrmann JL, Halvorsen Y, J
Larochelle WJ, Lepley DM, I
Padigaru M, Patturajan M, I
Rothenberg ME, Shenoy SG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  29-MAY-2002;
02-UTL-2002;
06-AUG-2002;
07-AUG-2002;
20-AUG-2002;
23-AUG-2002;
23-AUG-2002;
23-AUG-2002;
                                        New human NOVX polypeptides and nucleic acid molecules, useful for diagnosing, preventing or treating NOVX-associated disorder, e.g. ca atherosclerosis, diabetes, Alzheimer's disease, Parkinson's disease
                                                                          WPI;
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(KHRA)
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(EDIN/)
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(GERL/)
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GORMAN L.
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SHENOY S G.
SMITHSON G.
SPADERNA S K.
SPYTEK K A.
STONE D J.
TAUPIER R J.
                                                                                                                                                                                                                                                       PADIGARU M.
PATTURAJAN N
PENA C E A.
PEYMAN J A.
RIEGER D K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     AGEE M L.
ALSOROOK J P
ANDERSON D W.
BERGHS C.
BURGES C E.
BURGES C E.
CATTERTON E.
DIPIPPO V A.
EDINGER S R.
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                                                                                                                                                                             VERNET
VOSS E
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JI W.
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HERRMANN J L.
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2002US-0393332P.
2002US-0401315P.
2002US-0401788P.
2002US-0404676P.
2002US-0405684P.
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                                                                                        , Anderson DW, Berghs C, Boldog FL; E, Dipippo VA, Edinger SR, Eisen A; EA, Gerlach V, Gorman L, Rothberg BG, n Y, Ji W, Kekuda R, Khramtsov NV; DM, Li L, Macdougall JR, Miller CE, C n M, Pena CEA, Peyman JA, Rieger DK; SG, Smithson G, Spaderna SK, Spytek KJ Vernet CAM, Voss EZ, Zhong M;
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Edinger SR, Eisen A;
Rothberg BG,
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The

invention relates to human NOVX polypeptides and the polynucleotides

The invention relates to human diacylglycerol acyltransferase 2 (DGAT family members and their uses. DGAT2 family member sequences or their modulators are useful for diagnosing and treating a subject with a disorder associated with the aberrant DGAT family member polypeptide activity or nucleic acid expression, such as a disorder associated wi obesity, diabetes, aberrant lipogenesis or triglyceride synthesis, or

(DGAT2) their

or

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RESULT 71

AAD56896

ID AAD56896

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Matches 23
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                                                                                                                                                                                                                                                            New human diacylglycerol acyltransferase 2 (DGAT2) family member polypeptide and nucleic acid molecules, useful for diagnosing and treating obesity, diabetes, atherosclerosis, aberrant lipogenesis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             19-DEC-2001; 2001US-0341947P.
19-SEP-2002; 2002US-0411859P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     coronary artery disease; hypertension; heart failure; tissue typing; aberrant lipogenesis; cardiovascular disorder; atherosclerosis; angina; atrial fibrillation; dilated cardiomyopathy; idiopathic cardiomyopathy; diabetes; chromosome mapping; forensic biology; PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                        Gimeno
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; diacylglycerol acyltransferase 2; DGAT2; obesity; arrhythmia;
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                                                                                                                                                                                    Example 3;
                                                                                                                                                                                                                                   triglyceride synthesis.
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                                                                                                                                                                                                                                                                                                                                                                                                                           R, Hubbard
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RESULT 72
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XX BS; ps
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Matches 22
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                                                                                                                                                                The invention relates to detection of psoriasis by determining the expression level of a Psoriasis-related gene in a biosample collected from a human or nonhuman animal individual. The gene consisting of one of 538-2713 nucleotide sequences, given in the specification, or a DNA hybridising with it under stringent conditions are disclosed. The method is used for the detection of Psoriasis. The Psoriasis-related gene was detected by the body map method. The present sequence is a PCR primer used in the isolation of the psoriasis-related genes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cardiovascular disorder (e.g. atherosclerosis, coronary artery disease, hypertension, heart failure, atrial fibrillation, arrhythmias, dilated cardiomyopathy, idiopathic cardiomyopathy or angina). The invention is also useful in screening assays (e.g. tissue typing, chromosome mapping, or in forensic biology), in predictive medicine (e.g. diagnostic assays, prognostic assays, monitoring clinical trials or pharmacogenetics), or as surrogate markers (e.g. markers of disease states or markers of drug activity). The present sequence is human DGATZ gene specific PCR primer. This sequence is used in the exemplification of the invention
                                                                                                                                     Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  30-AUG-2000; 2000JP-00260818.
01-NOV-2000; 2000JP-00334042.
                                                                                                                                                                                                                                                                                                                          Example 3; SEQ ID NO 13; 27pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        JP2002330770-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19-NOV-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ss; psoriasis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human psoriasis related genes
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                                                                                  Local
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                                                                                                                                                                                                                                                                                                                                                           of which expression changes in Psoriasis and gene, a recombinant vector, a host cell.
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22; Conserv
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GATGAGATCATTGCACCATGTC
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                                                                0.9%;
llarity 100.0%;
Conservative
                                                                                                                                   BP; 6 A; 5 C; 5 G; 6 T; 0 U; 0 Other;
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PCR primer #7.
                                                                  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    red. No. 17
Mismatches
                                                                                  . NO.
                                                                                DB 1;
17;
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17;
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                                                                                                 Length
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                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                             examination
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                                                                                                 22
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                                                              Gaps
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RESULT 73
ADD27797
ID ADD277
XX ADD277
XX ADD277
XX ADD27
XX BS; F
XX BS; F
XX BS; F
XX BS; F
XX JP20(
PD XXX KW KW XXX AC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local S
Matches 22
                                                                                                                                              Human; diacylglycerol acyltransferase 2; DGAT2; obesity; arrhythmia; coronary artery disease; hypertension; heart failure; tissue typing; aberrant lipogenesis; cardiovascular disorder; atherosclerosis; angina; atrial fibrillation; dilated cardiomyopathy; idiopathic cardiomyopathy; diabetes; chromosome mapping; forensic biology; PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention relates to detection of psoriasis by determining the expression level of a Psoriasis-related gene in a biosample collected from a human or nonhuman animal individual. The gene consisting of one of 538-2713 nucleotide sequences, given in the specification, or a DNA hybridising with it under stringent conditions are disclosed. The method is used for the detection of Psoriasis. The Psoriasis-related gene was detected by the body map method. The present sequence is a PCR primer used in the isolation of the psoriasis-related genes.
                                               WO2003053363-A2
                                                                                                                                                                                                                                                                                                             Human 86606 DGAT2 gene specific reverse PCR primer.
                                                                                                                                                                                                                                                                                                                                                                  06-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                         AAD56897;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
                                                                                                 Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01-NOV-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       30-AUG-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            25-MAY-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    19-NOV-2002.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human psoriasis related genes PCR primer #6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADD27797;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
nes 22; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   of which expression changes in Psoriasis and gene, a recombinant vector, a host cell.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CGCCACCATGAGCTAGGTGGAG 2078
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
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2000JP-00334042.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       6 C; 8 G; 3 T; 0 U; 0 Other;
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Pred. No.
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17;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
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RESULT 75
ADO42530/c
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  modulators are useful for diagnosing and treating a subject with a disorder associated with the aberrant DGAT family member polypeptide activity or nucleic acid expression, such as a disorder associated with obesity, diabetes, aberrant lipogenesis or triglyceride synthesis, or cardiovascular disorder (e.g. atherosclerosis, coronary artery disease, hypertension, heart failure, atrial fibrillation, arrhythmias, dilated cardiomyopathy, idiopathic cardiomyopathy or angina). The invention is also useful in screening assays (e.g. tissue typing, chromosome mapping, or in forensic biology), in predictive medicine (e.g. diagnostic assays, prognostic assays, monitoring clinical trials or pharmacogenetics), or an surrogate markers (e.g. markers of disease states or markers of drug activity). The present sequence is human DGATZ gene specific PCR primer. This sequence is used in the exemplification of the invention
                                                                                                                                Human; NOVX; PCR; ss; cancer; atherosclerosis; diabetes; Alzheimer's disease; Parkinson's disease; graft-versus-host disease scleroderma; hypertension; haemophilia; idiopathic thrombocytopenic purpura; immunodeficiency; AIDS; dyslipidemia; obesity; Crohn's disease; bronchial asthma; anorexia; cancer-associated cachexia; multiple sclerosis; fertility; primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New human diacylglycerol acyltransferase 2 (DGAT2) family member polypeptide and nucleic acid molecules, useful for diagnosing and treating obseity, diabetes, atherosclerosis, aberrant lipogenesis triglyceride synthesis.
 03-DEC-2001; 2001US-0336881P
05-DEC-2001; 2001US-0336820P
                                                                                                                                                                                                                                                                                                  ADO42530 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 20 BP;
                                     02-DEC-2002; 2002US-00307817
                                                             25-MAR-2004
                                                                                      US2004058338-A1
                                                                                                             Homo sapiens
                                                                                                                                                                                                                           Human
                                                                                                                                                                                                                                                  15-JUL-2004 (first entry)
                                                                                                                                                                                                                                                                          ADO42530;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention relates family members and the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 3; Page 100; 154pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gimeno
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    19-DEC-2001; 2001US-0341947P
19-SEP-2002; 2002US-0411859P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          19-DEC-2002; 2002WO-US040974
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (MILL-) MILLENNIUM PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                           1831 CAGTTTCTCTGCCAAGGGGA 1850
                                                                                                                                                                                                                           XVON
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                                                                                                                                                                                                                                                                                                                                                                                                                            Similarity
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                                                                                                                                                                                                                        PCR primer
                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     tes to human diacylglycerol acyltransferase 2 (DGAT2) their uses. DGAT2 family member sequences or their
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Kapeller-Libermann
                                                                                                                                                                                                                                                                                                                                                                                                                           0.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               6 C;
                                                                                                                                                                                                                           #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               5 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                               0;
                                                                                                                                                                                                                                                                                                                                                                                                                           Score 20;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
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34;
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                                                                                                                                                                                                                                                                                                                                                                                                              0,
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  (AGEE/)
(ALDE/)
(ANDE/)
(BERG/)
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(BURG/)
(CATT/)
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(GORH/)
(GONH/)
(GUOX/)
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17-DEC-2001

18-DEC-2001

20-DEC-2001

31-DEC-2001

01-FEB-2002

26-FEB-2002

27-FEB-2002

27-FEB-2002

27-FEB-2002

28-FEB-2002

28-FEB-2002

28-FEB-2002

28-FEB-2002

28-FEB-2002

15-MAR-2002

15-MAR-2002

11-MAY-2002

12-MAY-2002

12-MAY-2002

12-MAY-2002

13-MG-2002

13-AUG-2002

23-AUG-2002

23-AUG-2002

23-AUG-2002
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14-DEC-2001
14-DEC-2001
14-DEC-2001
ELLERMAN K.
GANGOLLI E I
GERLACH V.
GORMAN L.
ROTHBERG B C
GUO X S.
HERRMANN J I
                                                                                   BURGESS C E.
CATTERTON E.
DIPIPPO V A.
EDINGER S R.
EISEN A.
                                                                                                                                                                      AGES M L.
ALSOBROOK J
ANDERSON D W
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BOLDOG
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2002US-0359559P
2002US-0359671P
2002US-035954P
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2002US-0350954P
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2002US-0361256P
2002US-0361256P
2002US-0361264P
2002US-0362310P
2002US-0364238P
2002US-0364978P
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2002US-0364978P
2002US-03819495P
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2002US-04046788P
2002US-0405684P
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2002US-0405688P
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2001US-0341768P.
2001US-0342592P.
2001US-0344903P.
2002US-0353286P.
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2001US-0339517P.
2001US-0339611P.
2001US-0340981P.
2001US-0341346P.
2001US-0340340P.
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2001US-0341477P
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2001US-0340608P
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2001US-0338318P
2001US-0338989P
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G.
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LAROCHELLE W

HALVORSEN

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                                                                                                                  The invention relates to human NOVX polypeptides and the polynucleotides CC encoding them. The invention also relates to antibodies specific to the CC NOVX polypeptides. The polypeptides, polynucleotides and antibodies are useful for manufacturing a medicament for treating a syndrome associated with a human disease, such as a pathology associated with the NOVX polypeptide. The sequences are useful for diagnosing, treating or CC preventing a NOVX-associated disorder, e.g., cancer, atherosclarosis, diabetes, Alzheimer's disease, Parkinson's disease, graft-versus-host CC disease, scleroderma, hypertension, haemophilia, idiopathic thromborytopenic purpura, immunodeficiencies, AIDS, dyslipidemia, cohesity, Crohn's disease, bronchial asthma, anorexia, cancer-associated cohesity, Crohn's disease, bronchial asthma, anorexia, cancer-associated cachexia, multiple sclerosis or fertility. The nucleic acids may be used as hybridisation probes, in chromosome mapping, in tissue typing, in corrective medicine or in pharmacogenomics. This sequence represents a preventive medicine or in pharmacogenomics. This sequence represents a coff-the invention.
                                                                       Query Match
Best Local
                                                         Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Agee ML, ALFONDER Dipippo VA, Burgess CE, Catterton E, Dipippo VA, Ellerman K, Gangolli EA, Gerlach V, Herrmann JL, Halvorsen Y, Ji W, Kek Larochelle WJ, Lepley DM, Li L, Mac Padigaru M, Patturajan M, Pena CEA, Rothenberg ME, Shenoy SG, Smithson ( Taupier RJ, Vernet CAM,
                                                                                                                  Sequence 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI;
                                                                                                                                                                                                                                                                                                                                                                                                                                          New human NOVX polypeptides and nucleic acid molecules, useful for diagnosing, preventing or treating NOVX-associated disorder, e.g. catherosclerosis, diabetes, Alzheimer's disease, Parkinson's disease
                                                                                                                                                                                                                                                                                                                                                                                                  Example D; SEQ
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(PEYM/)
(RIEG/)
(ROTH/)
(SHEN/)
(SMIT/)
(SPAD/)
(SPYT/)
(STON/)
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                           1218
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20
                                                                                                                                               invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PENA C E A.
PEYMAN J A.
RIEGER D K.
ROTHENBERG M E
SHENOY S G.
SMITHSON G.
SPADERNA S K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    VERNET
VOSS E
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ORT T.
                                                                       Similarity
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TAUPIER R J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZHONG M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SPYTEK K A.
               TACTCCAAGCCCATCACCAC 1237
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PADIGARU M.
PATTURAJAN M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MACDOUGALL J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LEPLEY D M.
                                                                                                                BP; 3 A; 1 C; 10 G; 6 T; 0 U; 0 Other;
                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2 C
A
M
                                                                                                                                                                                                                                                                                                                                                                                                  ID NO 379;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ħ
                                                                       100.0%;
                                                                                     0.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Anderson DW, Berghs C, Boldog FL; E, Dipippo VA, Edinger SR, Eisen A; EA, Gerlach V, Gorman L, Rothberg BG, In Y, Ji W, Kekuda R, Khramtsov NV; DM, Li L, Macdougall JR, Miller CE, C In M, Pena CEA, Peyman JA, Rieger DK; SG, Smithson G, Spaderna SK, Spytek KA Vernet CAM, Voss EZ, Zhong M;
                                                                                                                                                                                                                                                                                                                                                                                                 610pp; English.
                                                       0
                                                                                   Score
                                                                       Score 20;
Pred. No.
                                                       Mismatches
                                                                       DB 1;
34;
                                                       ٥,
                                                                                 Length 20
                                                       Indels
                                                      ٥,
                                                                                                                                                                                                                                                                                                                                                                                                                                                       e.g. cancer,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ζ
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                                                    Gaps
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RESULT

76

21-SEP-2001; 2001WO-US029656

28-MAR-2002.

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ADD27793/c

ID ADD27793 standard; D)

XX

AC ADD27793;

XX

DT 15-JAN-2004 (first of the content of the content
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 77
ABQ64740/c
무
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The invention relates to detection of psoriasis by determining the expression level of a psoriasis-related gene in a biosample collected from a human or nonhuman animal individual. The gene consisting of one of 538-2713 nucleotide sequences, given in the specification, or a DNA hybridising with it under stringent conditions are disclosed. The method is used for the detection of Psoriasis. The Psoriasis-related gene was detected by the body map method. The present sequence is a PCR primer used in the isolation of the psoriasis-related genes.
                                                                                                                                                                                                                                                     Human; KTOM1a; KTOM1; gene therapy; cancer;
                                                                                                                                                                                                                                                                                                                                                                                   20-AUG-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABQ64740 standard;
                                                                                                                                                                         Homo sapiens.
                                                                                                                                                                                                                          kidney; colon;
                                                                                                                                                                                                                                                                                                                             Human KTOM1a portion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2003-460750/44
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           25-MAY-2001; 2001JP-00156529
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (TANA ) TANABE SEIYAKU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2364 TCATTGCACCATGTCAGACT 2383
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                of which expression changes in Psoriasis and examination directed gene, a recombinant vector, a host cell.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TCATTGCACCATGTCAGACT 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 8; 27pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2000JP-00260818.
2000JP-00334042.
                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
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                                                                                                                                                                                                                          skeletal muscle; testis; uterus; placenta; probe; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Psoriasis-related gene; body map;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ۶
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3 C; 7
                                                                                                                                                                                                                                                                                                                                (ABQ63232) probe # 1453.
                                                                                                                                                                                                                                                     kidney tumour overexpressed membrane; cytostatic;
kidney; liver; bone marrow; brain; heart; lung;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             <u>ი</u>
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Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             5 T; 0 U;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  . 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB
33;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0;
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RESULT 78
ABG647411c
ID ABG647
XX
ABG647
XX
AC ABG647
XX
DT 20-AUG
XX
Human
XX
Human;
KW Human;
KW Gene t
KW Kidney
XX
XX
PN WO2002
XX
PN WO2002
XX
PF 21-SEP
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Best Local Similarity
Matches 21; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       KTOM1 (kidney tumour overexpressed membrane) protein. The protein of the invention has cytostatic activity. The nucleotide may have a use in gene therapy. The KTOM1 nucleic acids may be used to diagnose, treat or monitor a disease caused by altered expression of human KTOM1. Compositions comprising the nucleic acids, proteins or antibodies may be used to treat subjects having defects in KTOM1 which can manifest as cancer of the kidney, as well as a disorder of liver, bone marrow, brain, heart, lung, kidney, colon, skeletal muscle, testis, uterus and placenta function. The sequence represents a probe used in the invention to scan the nt 1-1001 portion of human KTOM1a (ABQ63232)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21-SEP-2000;
27-SEP-2000;
04-OCT-2000;
30-JAN-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Zhang
                                                                                                                                                                                                                            Human; KTOM1a; KTOM1; kidney tumour overexpressed membrane; cytostatic;
gene therapy; cancer; kidney; liver; bone marrow; brain; heart; lung;
                                                                                                                                                                                                                                                                                                  Human KTOM1a portion (ABQ63232)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 25 BP; 5 A; 7 C; 8 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New human kidney tumor overexpressed membrane (KTOM1) protein and nucleic acids encoding the protein, useful for treating subjects having defects in KTOM1 which can manifest as cancer of the kidney, or as a disorder of e.g., liver or bone.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABQ64741 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example
  21-SEP-2001; 2001WO-US029656.
                                                   28-MAR-2002
                                                                                                                                                                                                                                                                                                                                                      20-AUG-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (AEOM-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1419 CCTGGAGGAACCAGCTGCAAATCA 1442
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                25 CCTGGAGGCTCCTGCTGCAAATCA 2
                                                                                                                                                                                                  colon;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2; Page 348; 418pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AEOMICA INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2000US-0234687P
2000US-0236359P
2000GB-00024263
2001WO-US000661
2001WO-US000662
2001WO-US000664
2001WO-US000665
2001WO-US000665
2001WO-US000666
2001WO-US000667
2001WO-US000668
2001WO-US000668
2001WO-US000667
2001WO-US000667
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                      (first
                                                                                                                                                                                                  skeletal muscle;
                                                                                                                                                                                                                                                                                                                                                   entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; Score 19.2; DI
; Pred. No. 37;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                        ВP
                                                                                                                                                                                                                                                                                                  probe # 1454.
                                                                                                                                                                                                     testis; uterus; placenta; probe; ss
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0
RESULT 79
AAH48071/c
ID AAH480
XX AAH480
XX IP-SEP
XX Dihydr
XX Dihydr
XX Dihydr
XX Dihydr
XX Immuno
XX Im
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Dihydrodipicolinate synthase 9; cytostatic; haemostatic; virucide; immunomodulatory; antiinflammatory; gene therapy; malignant tumour haemopathy; HIV infection; immunological disease; inflammation; PCR primer; ss.

WO200147980-A1

Dihydrodipicolinate

synthase entry)

9

PCR primer #2.

19-SEP-2001

(first

AAH48071;

AAH48071 standard;

DNA;

24 ВP

0

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                                                                              Query Match
Best Local (
                                                               Matches
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30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 21-SEP-2000;
27-SEP-2000;
04-OCT-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      30-JAN-2001;
30-JAN-2001;
23-MAY-2001;
                                                                                                                                                        The invention relates to a novel isolated nucleic acid encoding human KTOM1 (kidney tumour overexpressed membrane) protein. The protein of the invention has cytostatic activity. The nucleotide may have a use in gene therapy. The KTOM1 nucleic acids may be used to diagnose, treat or monitor a disease caused by altered expression of human KTOM1. Compositions comprising the nucleic acids, proteins or antibodies may be used to treat subjects having defects in KTOM1 which can manifest as cancer of the kidney, as well as a disorder of liver, bone marrow, brain, heart, lung, kidney, as well as a disorder of liver, bone marrow, brain, heart, lung, kidney, colon, skeletal muscle, testis, uterus and placenta function. The sequence represents a probe used in the invention to scan the nt 1-1001 portion of human KTOM1a (ABQ63232)
                                                                                                                               Sequence 25 BP; 5 A; 7 C; 8 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                         New human kidney tumor overexpressed membrane (KTOM1) protein and nuclei acids encoding the protein, useful for treating subjects having defects in KTOM1 which can manifest as cancer of the kidney, or as a disorder of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   30-JAN-2001;
30-JAN-2001;
                                                                                                                                                                                                                                                                                                                                                                                          e.g.,
                                                                                                                                                                                                                                                                                                                                                           Example 2; Page 348; 418pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2002-479509/51.
                                 1419 CCTGGAGGAACCAGCTGCAAATCA 1442
24
                                                                                                                                                                                                                                                                                                                                                                                           liver or bone.
                                                               21;
                                                                                Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AEOMICA
 CCTGGAGGCTCCTGCTGCAAATCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2000US-0234687P.
2000US-0235359P.
2000GB-00024263.
2001WO-US000661.
2001WO-US000662.
2001WO-US000663.
2001WO-US000666.
2001WO-US000666.
2001WO-US000666.
2001WO-US000666.
2001WO-US000666.
2001WO-US000668.
2001WO-US000668.
2001WO-US000668.
2001WO-US000668.
2001WO-US000669.
2001WO-US000667.
2001WS-00864761.
                                                                 Conservative
                                                                              0.8%;
                                                               0;
                                                                                Score 19.2;
Pred. No. 3
                                                                 Mismatches
                                                                                               DB 1;
                                                               u
٠
                                                                                               Length 25;
                                                                 Indels
                                                                 <u>.</u>
                                                                 Gaps
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RESULT 80
ADF72789
ID ADF72789
ID ADF72
XX ADF72
XX Detec
PD 18-SE
XX O8-MJ
PR 17-JI
XX (NOVI
XX Detec
PT Detec
PT diagi
PT elecit
XX Detec
PT diagi
PT elecit
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Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
             Detection, quantification and characterization of analyte, useful for diagnosing diseases associated with triplet extensions, using probes with electrochemical labels.
                                                                                                                                                          08-MAR-2002; 2002DE-01010100.
17-JUN-2002; 2002DE-01027042.
                                                                                                                                                                                                                                                                                           Synthetic
                                                                                                                                                                                                                                                                                                                                 detection; triplet expansion disease; fragile X syndrome; Huntington's disease; bulbular muscular dystrophy; spinocerebral ataxia type I; myotonic dystrophy; Friedrich ataxia; ss;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present invention relates to dihydrodipicolinate synthase 9 and its coding sequence (see AAH48069 and AAG64225). Dihydrodipicolinate synthase 9 and its coding sequence are useful in the diagnosis and treatment of malignant tumour, haemopathy, human immunodeficiency virus (HIV) infection, immunological diseases and various inflammations. The present sequence is a PCR primer, which was used in an example from the present
                                                                                                                                                                                                   04-MAR-2003; 2003WO-EP002202
                                                                                                                                                                                                                                   18-SEP-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADF72789 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 24
                                                                                                                                                                                                                                                              WO2003076654-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADF72789
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Dihydrodipicolinate synthase 9 and encoded polynucleotide, diagnosis and treatment of malignant tumors, hemopathy, hur
                                                                                                                                                                                                                                                                                                                                                                                              Detection
                                                                                                                                                                                                                                                                                                                                                                                                                         26-FEB-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 3; Page 16; 39pp; Chinese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2001-418229/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Мао У,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            27-DEC-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       25-DEC-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             immunodeficiency virus infection, immunological diseases and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SHAN-) SHANGHAI BIOWINDOW GENE DEV INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1498 AAATTATAACAATTTTGCTAAA 1519
                                                                       2003-756830/71.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       23
                                                                                                                               NOVEMBER GES MOLEKULARE
                                                                                                  'n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Xie Y;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAATTAAAACAATTTTGTTAAA 2
                                                                                                                                                                                                                                                                                                                                                                                            probe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BP; 9 A; 2 C; 1 G; 12 T; 0 U; 0 Other;
                                                                                                  Kosak
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2000WO-CN000715
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                                                                                                                                                                                                                                                                                                                                                                                              #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DNA;
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Pred. No. 4
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                         Mug
                                                                                                                                                                                                                                                                                                                                                                                      Glucose transporter-4; GLUT4; FOXC2; adipose tissue; mouse; transgenic animal; obesity; malnutrition; hyperlipidaemia; diabetes; hypertension; antidiabetic; anorectic; hypolipaemic; hypotensive;
                                                                                                                                                        26-MAY-2000;
06-JUN-2000;
                                                                                                                                                                                                                                                                                                                                                                           gene therapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAH26588 standard; DNA; 22 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 23 BP; 8 A; 0 C; 5 G; 10 T; 0 U;
                                 WPI; 2001-557641/62.
                                                                    Enerbaeck
                                                                                                                                         14-DEC-2000;
                                                                                                                                                                                            18-FEB-2000;
                                                                                                                                                                                                                               16-FEB-2001;
                                                                                                                                                                                                                                                                    23-AUG-2001.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mouse GLUT4 3' PCR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAH26588;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; SEQ ID NO 3; 50pp; German.
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                                                                                                        PHARMACIA AB
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; 2000SE-00001982.
; 2000US-00587945.
; 2000SE-00004629.
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                                                                                                                                                                                                                                 2001WO-SE000339.
                                                                    Carlsson
                                                                                                                                                                                                                                                                                                                                                                           insulin; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                primer.
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Pred. No. 5
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construct comprising a human FOXC2 gene, useful in gene therapy for

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RESULT 8:
ADF08228
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Best Local S
Matches 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      adrenergic receptors, GLUT4, insulin receptor and insulin receptor substrates IRS1 and IRS2 were prepared by RT-PCR using mouse epididymal fat poly(A)+ RNA and the primers given in AAH36571-94. The probes were used in Northern blots to examine gene expression in the brown and white adipose tissue (WAT) of wild-type mice and 3 transgenic mice expressing the human FOXC2 gene (see AAH36570.) Upregulation of GLUT4 was observed in transgenic mice. This was most evident in WAT. FOXC2 is expressed exclusively in adult adipose tissue and plays a major role in regulating energy balance and adiposity. The invention provides methods for identifying compounds capable of increasing or decreasing FOXC2 protein activity or gene expression, and for using such compounds to treat medical conditions related to obesity, such as obesity, non-insulin dependent diabetes mellius, hypertension and hyperlipidaemia (claimed), or medical conditions related to malnutrition, such as anorexia (claimed)
        New human apolipoprotein A-V (APOAV) polynucleotides and polypeptides, useful for identifying or screening of drugs that treat lipid-related or diabetic diseases, for lowering plasma triglycerides, or in gene therapy
                                                                                                                                                                                                                                                                                                                                                                                ss; PCR; primer; mouse; apolipoprotien A-V; APOAV; triglyceride; lipid-related; diabetic disease; cardiovascular disease; plasma triglyceride; diabete; obesity; metabolic disease; gene therapy;
                                                                                                                                                                                                                  27-AUG-2002; 2002US-00229834.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present sequence is that of a 3' primer, used with the 5' primer given in AAH26587, for the PCR amplification of mouse insulin-responsive glucose transporter-4 (GLUT-4) cDNA cDNA probes for mouse FOXC2, aP2, ADD1/SREBP1, cytochrome c-oxidase subunit II, adipsin, beta-1-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    treating obesity- or malnutrition-related diseases (e.g. obesity or hyperlipidemia), as well as for identifying compounds useful in treating
                                                                                                                                                                                         07-SEP-2001; 2001US-0318219P
                                                                                                                                                                                                                                                         07-AUG-2003.
                                                                                                                                                                                                                                                                                         US2003150003-A1
                                                                                                                                                                                                                                                                                                                                      Mus musculus.
                                                                                                                                                                                                                                                                                                                                                                      single
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19; Conserv
                                                                                                                                                                                                                                                                                                                                                                      nucleotide
                                                                                                                                         RUBIN E.
PENNACCHIO L
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                                                                                                           Pennacchio
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                                                                                                                                                                                                                                                                                                                                                                    polymorphism; apoA5; human.
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Pred. No. 7:
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Mismatches
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RESULT 83
AAZ77324
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Best Local S
Matches 19
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AAZ65654 to AAZ69578 represent human biallelic markers from the present invention, which contain a polymorphic base at position 24 of their nucleotide sequences. AAZ69579 to AAZ77440 represent amplification primers for the biallelic markers. The biallelic markers of the invention have a variety of uses: they can be used for high density mapping of the human genome, and in complex association studies and haplotyping studies which are useful in determining the genetic basis for disease states. Compositions and methods of the invention can also be useful for the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human genome; biallelic marker; high density disequilibrium map; genomic map; haplotype; phenotype; potype; base; genotyping; haplotyping; haplotyping; hybridisation; identification; characterisation; haplotyping; hybridisation; dentification; SNP; PCR primer; amplification; single nucleotide polymorphism; SNP; PCR primer;
                                                                                                                                                                                                                                                                                         Claim
                                                                                                                                                                                                                                                                                                                                                    map of
                                                                                                                                                                                                                                                                                                                                                                                     Novel biallelic markers used to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Cohen D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        21-APR-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        diagnosis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human biallelic marker downstream amplification primer SEQ ID NO:11680
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10-SEP-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to an isolated polynucleotide homologous to CDNA apolipoprotein A-V (APOAV) sequence. The human apolipoprotein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GEST )
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                                                                                                                                                                                                                                                                                                                                                    the human genome.
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                                                                                                                                                                                                                                                                                      Page 2720; 2745pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Blumenfeld M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CAGGGTCGAGGGCTCTTGTCCT
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Pred. No. 73;
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Matches 17;
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                                                                                                                                                                                        The invention describes a compound, 8-50 nucleobases in length targeted to a nucleic acid molecule encoding human TERT (telomerase reverse transcriptase), where the compound specifically hybridises with and inhibits the expression of TERT. A series of oligonucleotides were designed to target different regions of the human TERT RNA. These were 20 nucleotides in length and composed of a central gap region consisting of ten 2'-deoxynucleotides, flanked on both sides (5' and 3' directions) by five-nucleotide wings. The wings were composed of 2'-methoxyethyl (2'-MOE) nucleotides. The compounds were analysed for their effect on human TERT mRNA levels by reverse transcriptase (RT)-polymerase chain reaction (PCR). The compound is useful for inhibiting the expression of TERT in relation a human having disease or condition
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New compound targeted to nucleic acid molecule encoding telomerase transcriptase (TERT), which specifically hybridizes with and inhibits expression of TERT, useful for modulating apoptosis and inhibiting cell
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Synthetic.
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cells or tissues, for treating a human having disease or condition associated with TERT, for modulating apoptosis, for inhibiting cell growth (preferably, cancer cell growth), in antisense therapy and diagnostics and therapeutics. This sequence is an antisense
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07-DEC-2000; 2000US-00733294.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       09-APR-2002
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Pred. No.
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pligonucleotide; antisense technology;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 oligonucleotide used to modulate the activity of nucleic acid molecules encoding TERT, described in the method of the invention {\bf r}
                                                                                                                                                          The invention relates to novel antisense compounds targetted to a nucleic acid molecule encoding signal transducers and activators of transcription [STATI] to inhibit its expression. Compounds, compositions and methods of the invention are useful for treating diseases or conditions as associated with STATI such as hyperproliferative disorders e.g. cancer, viral or bacterial infections and diseases or conditions involving hyperactivation of immune response. They are also useful in research and diagnostics for modulating the expression of STATI. The invention is also diagnostics for modulating the expression of STATI. The invention is also
                                                                                                                                                                                                                                                                                                              New antisense oligonucleotide targeted to a transducers and activators of transcription cancer, or viral or bacterial infections.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human STAT1 target DNA fragment
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                                                                                                      Sequence 20 BP; 3 A; 3 C; 9 G; 5 T;
                                                                                                                                   useful in gene therapy. The present sequence is human fragment used in the exemplification of the invention.
                                                                                                                                                                                                                                                                                   Example 15; SEQ ID NO 52; 72pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    17-JUN-2002; 2002US-00174175
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                                                                                                                                                                                                                                                                                                                                                                                               Karras J,
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                         588 GCTGGCAGGAGGTCACAGTG
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Pred. No. 8
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cancer; infection; immune response;
                                                                   Score 16.8;
Pred. No. 8
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                                                       Mismatches
                                                                                                           0 U;
                                                                                                            0 Other;
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ID ADJ32292 standard;
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                                                                                                                                      The invention relates to novel antisense compounds targetted to a nucleic acid molecule encoding signal transducers and activators of transcription 1 (STAT1) to inhibit its expression. Compounds, compositions and methods of the invention are useful for treating diseases or conditions associated with STAT1 such as hyperproliferative disorders e.g. cancer, viral or bacterial infections and diseases or conditions involving hyperactivation of immune response. They are also useful in research and diagnostics for modulating the expression of STAT1. The invention is also useful in gene therapy. The present sequence is an antisense oligonuclectide targetted to human STAT1 DNA. This sequence is used in
                                                                                                   Sequence 20 BP; 5 A; 9 C; 3 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                          New antisense oligonucleotide targeted to a nucleic acid encoding signal transducers and activators of transcription 1, useful for treating cancer, or viral or bacterial infections.
                                                                                                                                                                                                                                                                                                                                                                                           Karras
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                                                                                                                                                                                                                                                                                   Example 15; SEQ ID NO 15; 72pp; English.
                                                                                                                                                                                                                                                                                                                                                                 WPI; 2004-052173/05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   18-DEC-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US2003232440-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADJ32292;
                                                                                                                                                                                                                                                                                                                                                                                                                    (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   antisense; hyperproliferative disorder; cancer; infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; signal transducer and activator of transcription; STAT1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human STAT1 antisense oligonucleotide,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      22-APR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ımmune
                                                                                                                             exemplification of the invention.
                        588
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        response;
                                                               Similarity
GGTGGCAGGATGTCTCAGTG
                        GGTGGCAGGAGGTCACAGTG 607
                                                                                                                                                                                                                                                                                                                                                                                           Freier SM,
                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note= "
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /mod_base= OTHER
/note= "Phosphorothioate backbone
residues are 5-methylcytidines"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /*tag= c
/mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        gene therapy; phosphorothioate; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    notes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               *tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DNA;
                                                           0.7%;
                                                                                                                                                                                                                                                                                                                                                                                            Dobie
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "2'-methoxyethyl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "2'-methoxyethyl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20
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                                                  0
                                                               Score 16.8;
Pred. No. 8
                                                                                                                                                                                                                                                                                                                                                                                           Ž
                                                  Mismatches
                                                                 87;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ISIS 204461.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (2'-MOE)
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                                                                         Length 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   nucleotides"
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                                                  Indels
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RESULT 87
ADK98410.;
ADK98410;
XX
Primer of the invention #4130
XX
ADK98410;
XX
ADK
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AAQ11523
ID AAQ11
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present invention relates to a polynucleotide isolated from a gene and is useful for detecting a single nucleotide polymorphism human gene or for diagnosing of disease. The invention enables the detection of a single nucleotide polymorphism in a human gene. The present sequence represents a primer of the invention.
16-OCT-1989;
11-JUN-1990;
                                                                              04-OCT-1990;
                                                                                                                                                                                                                                           Synthetic.
                                                                                                                                                                                                                                                                                                                          Stem cell factor; SCF; leukopenia; AIDS; haematopoiesis; primer; probe;
                                                                                                                                                                                                                                                                                                                                                                                                                                     20-JUN-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 20 BP; 5 A; 5 C; 8 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 2; SEQ ID NO 7439; 2627pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Novel polynucleotide useful for PCR amplification along with two DNA fragment from another set of sequences, or for detecting single nucleotide polymorphism in human gene.
                                                                                                                                   24-APR-1991
                                                                                                                                                                                         EP423980-A
                                                                                                                                                                                                                                                                                                                                                                            Rat Stem Cell Factor probe/primer 228-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAQ11523;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAQ11523 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        08-MAR-2002; 2002JP-00064373.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             08-MAR-2002; 2002JP-00064373.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (KAGA-) KAGAKU GIJUTSU SHINKO JIGYODAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   757 CAGAGGCCACAGAAGTGAGC 776
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     18;
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Similarity 90.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CAGAGGCCTCAGAGGTGAGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               nucleotide polymorphism;
89US-00422383
90US-00537198
                                                                                 90EP-00310899
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 16.8;
Pred. No. 87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 20;
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RESULT 89
AAT04911
ID AAT0
XX AAT0
AAT 25-N
DT 15-N
XX Sten
KW Sten
KW thic
KW trar
XX Synt
XX Synt
XX 10-(
PD 11-(
PF 04-(
XX 11-(
PR 11-(
PR 24-)
PR 24-)
PR 28-(
PR 01-(
PR 01-(
PR 01-(
PR 11-(
PR 24-)
PR 28-(
PR 01-(
PR 28-(
PR 01-(
PR 28-(
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Matches 18; Conserv
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Best Local
                                                                                                                                                               16-OCT-1989;
11-JUN-1990;
24-AUG-1990;
28-SEP-1990;
01-OCT-1990;
                      WPI; 1995-346090/45
                                                                      Zsebo KM,
                                                                                                                                                                                                                                                                                                            04-OCT-1990;
                                                                                                                                                                                                                                                                                                                                                            11-OCT-1995
                                                                                                                                                                                                                                                                                                                                                                                                       EP676470-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Stem cell factor; progenitor; haematopoiesis; SCF; anaemia; thrombocytopenia; leucopenia; AIDS; immunodeficiency; bone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Determination of the amino acid sequence of fragments of the rat SCF protein (see AAR11708) made it possible to design mixed sequence oligonucleotides (see AAQ11509-526) specific for rat SCF (see AAQ11538 for the genomic and AAQ11539 for the cDNA sequence). The location of this sequence is 45-65. The SCF has the ability to stimulate growth of primitive progenitors including early hematopoietic progenitor cells and non-hematopoietic stem cells such as neural stem cells and primordial germ stem cells. The product may be used in a pharmaceutical compsn. for treating, in a mammal, leukopenia, thrombocytopenia, anaemia, AIDS, neoplasia, nerve damage, infertility and intestinal damage
                                                                                                                      (AMGE-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  25-MAR-2003
15-MAY-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAT04911
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28-SEP-1990;
01-OCT-1990;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure; Fig 12A; 127pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New naturally-occurring polypeptide stem cell factor analogues - have haematopoietic biological activity of stem cell factor and are used to treat e.g. leukopenia, AIDS, nerve damage and infertility.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2402 ATAAATGAAAGTGAGAATCC 2421
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                                                                    Sugge SV,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Suggs SV,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          neoplasia; myelosuppression; bone marrow; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BP; 9 A; 3 C; 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
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(first en
                                                                                                                    INC.
                                                                                                                                                            89US-00422383.
90US-00537198.
90US-00573616.
90WO-US005548.
90US-00589701.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               factor (SCF)
                                                                                                                                                                                                                                                                                                         95EP-00105391.
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90WO-US005548.
90US-00589701.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             entry)
                                                                 Bosselman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Bosselman
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Pred. No. 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5 T; 0 U; 0 Other;
                                                               ₽Ą,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
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                                                               Martin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Martin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         84;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              bone graft;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          228-30.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local S
Matches 18
                                                                                                                   16-OCT-1989;
11-JUN-1990;
24-AUG-1990;
28-SEP-1990;
01-OCT-1990;
04-OCT-1990;
                                     WPI; 2000-259135/23.
                                                                                                                                                                                                                                                                                                                              Stem cell factor; SCF; haematopoietic progenitor cell; blood forming; primitive progenitor cell; haematopoietic disorder; syngeneic; allogeneic; autologous bone marrow transplant; gene therapy; transfection; haematopoietic stem cell; acute blood loss; neoplasia;
                                                                 Zsebo
                                                                                                                                                                                                               04-OCT-1990;
                                                                                                                                                                                                                                                                    EP992579-A1
                                                                                                                                                                                                                                                                                              Rattus
                                                                                           (AMGE-)
                                                                                                                                                                                                                                                                                                                         cancer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                       Rat stem cell
                                                                                                                                                                                                                                                                                                                                                                                                                                 27-JUL-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New stem c primitive cells.
                                                                                                                                                                                                                                          12-APR-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAA13736
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example
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                                                                                           AMGEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATAAATGAAAGTGAGAATCC 2421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATAAATGCAAGTGATAATCC
                                                             Suggs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cell factor polypeptide(s) e progenitor cells, esp. fo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Fig 12A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                           INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                   factor oligonucleotide 228-30.
                                                                                                                 89US-00422383.
90US-00537198.
90US-00573616.
90US-005548.
90US-00589701.
90EP-00310899.
                                                                                                                                                                                                               99EP-00122861
                                                              sv,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  127pp; English.
                                                              Bosselmann
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ,
,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 16.8;
Pred. No. 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     21
                                                             RΑ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        for treating
                                                              Martin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      for stimulating the growth creating disorders involving
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  日
                                                              Έ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       <u>۲</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       of
lg blood
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Production of subject using

hematopoietic cells progenitor cells and

suitable for administration to a description expanding the cells using stem cell

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RESULT 91
AAH41315
밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A method has been developed of making haematopoietic cells suitable for CC administration to a subject. The method comprises: (a) obtaining the administration to a subject. The method comprises: (a) obtaining CC haematopoietic progenitor cells from a donor; and (b) expanding the cells CC by adding to the cells a haematopoietically effective dose of a CC polypeptide product having at least part of the primary structural confirmation and one or more of the biological properties of naturally occurring stem cell factor (SCF). The method is useful for stimulating primitive progenitor cells including early haematopoietic progenitor cells which are capable of maturing to erythroid, megakaryocyte, cells which are capable of maturing to erythroid, megakaryocyte, increases in haematopoietic cells of both myeloid and lymphoid lineages. CC increases in haematopoietic progenitors in syngeneic, allogeneic cincreases in haematopoietic progenitors in syngeneic, allogeneic cor autologous bone marrow transplant. SCF is useful for treating haematopoietic disorders. The method is useful cor autologous bone marrow transplant. SCF is useful for chancing the cefficiency of gene therapy based on transfecting haematopoietic stem cells. SCF is also useful for combating the myelosuppressive effects of anti-HIV drugs such as AZT and for enhancing haematopoietic recovery after acute blood loss and as a boost to the immune system for fighting neoplasta (cancer). The present sequence represents an oligonucleotide for rat SCF cDNA which is used in an example from the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local S
Matches 18
                                                                                                                          16-OCT-1989;
11-JUN-1990;
24-AUG-1990;
01-OCT-1990;
25-NOV-1992;
21-DEC-1993;
24-MAY-1995;
12-JAN-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                     Stem cell factor;
Enhancing efficiency of transfer of
                               WPI; 2001-366062/38.
                                                                                                                                                                                                                                                                          31-DEC-1998;
                                                                                                                                                                                                                                                                                                          27-MAR-2001
                                                                                                                                                                                                                                                                                                                                          US6207454-B1
                                                                                                                                                                                                                                                                                                                                                                                                    gene therapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Rat stem cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      21-AUG-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAH41315
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 3;
                                                                                             (AMGE-) AMGEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2402 ATAAATGAAAGTGAGAATCC 2421
                                                               3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATAAATGCAAGTGATAATCC 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Fig 12A; 123pp; English.
                                                               Bosselman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               BP; 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                             INC.
                                                                                                                                           89US-00422383.
90US-00537198.
90US-00573616.
90US-00589701.
92US-00982255.
93US-00172329.
95US-00449653.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       factor (SCF) related oligonucleotide SEQ ID NO:16.
                                                                                                                                                                                                                                                                                                                                                                                                    PCR primer;
                                                                                                                             98US-00005893
                                                                                                                                                                                                                                                                            98US-00224681
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A;
                                                                                                                                                                                                                                                                                                                                                                                                                     SCF; stem cell factor receptor; blood cell disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               90.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3 C; 4 G; 5 T; 0 U; 0 Other;
                                                              Ŗ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      21
                                                                                                                                                                                                                                                                                                                                                                                                      mutagenesis; probe;
                                                              Begus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 16.8;
Pred. No. 84
                                                              SV,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
polynucleotide into a target
                                                               Martin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 1;
                                                               Ŧ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0
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AAS04095
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 92
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                                                              16-OCT-1989;
11-JUN-1990;
24-AUG-1990;
01-OCT-1990;
21-DEC-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present invention describes a method for enhancing (B) the efficience of transfer of a polynucleotide (I) into a target mammalian cell (II) in vitro, comprising exposing (II) that expresses a stem cell factor (SCF) receptor to a biologically active SCF, its analogue or fragment, which induces cell proliferation, and introducing (I) to (II) in vitro. Exposure of SCF to (II) results in increased uptake of (I) into the cell The method is useful for enhancing the efficiency of the transfer of a polynucleotide into a target mammalian cell in vitro. The method is useful in gene therapy techniques. AAH41301 to AAH41364 and AAB98351 to AAB93390 represent sequences used in the exemplification of the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cell factor receptor into cell in vitro.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               mammalian cell in vitro, involves call factor receptor to stem cell
                                                                                                                                             (ZSEB/)
(BOSS/)
(SUGG/)
                                                                                                                                                                                                                                                                                                                                                                                   blood disorder; leul
anaemia; Kala azar;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAS04095 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 3;
                                                                                                           Zsebo
                                                                                                                                                                                                                                                                        07-JUN-1995;
                                                                                                                                                                                                                                                                                               27-MAR-2001.
                                                                                                                                                                                                                                                                                                                                               Rattus
                                                                                                                                                                                                                                                                                                                                                                                                                                  Rat SCF (stem cell factor) cDNA PCR primer 228-30.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            29-AUG-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAS04095;
                                                                                                                                                                                                                                                                                                                        US6207417-B1
                                                                                                                                                                                                                                                                                                                                                                      PCR primer; 88.
                                                                                                                                    (MART/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2402 ATAAATGAAAGTGAGAATCC 2421
                                 l nucleic acids
orders involving
ase, Kala azar,
                                                                                                                                                                                                                                                                                                                                                                                             stem cell factor; SCF; early haematopoietic progenitor cell;
d disorder; leukaemia; Hodgkin's disease; lymphoma; splenomeg
                                                                                   2001-298941/31.
                                                                                                           ፭
                                                                                                                                                                                                                                                                                                                                               ďB
                                                                                                                                 ESSELMAN R SUGGS S V.
MARTIN F H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2 ATAAATGCAAGTGATAATCC 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Fig
                                                                                                           Bosselman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     BP; 9 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                              89US-00422383.
90US-00537198.
90US-00573616.
90US-00589701.
93US-00172329.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12A;
                                                                                                                                                                                                                                                                        95US-00482918
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DNA;
                                 encoding stem cell factor useful for treating blood cells, e.g. leukemia, splenomegaly, Hod anemia and septicemia.
                                                                                                                                                                                                                                                                                                                                                                                    septicemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               210pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   90.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3 C; 4 G; 5 T; 0 U; 0 Other;
                                                                                                           Ŗ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   involves exposing cell that expresses a stem stem cell factor, and introducing polynucleot
                                                                                                          Sugge
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       <u>,</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 16.8;
Pred. No. 8
                                                                                                           sv,
                                                                                                                                                                                                                                                                                                                                                                                    malaria; hypopigmentation disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
                                                                                                           Martin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1; Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2
                                               splenomegaly, Hodgkin's
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                               splenomegaly;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    polynucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cell (II) in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             the cell.
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Example disease,

ω --

Fig

209pp; English

disorders

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RESULT 93
AAF89075
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present sequence for PCR primer 228-30 is 1 of 18 oligonucleotides (AAS04081-AAS04098) used to isolate the rat SCF (stem cell factor) cDNA sequence. The present invention relates to novel stem cell factors (AAU02453-AAU02458, AAU02460, AAU02461) and the polynucleotides encoding them. SCF stimulate primitive progenitor cells including early haematopoietic progenitor cells. The invention also describes SCF peptides (AAU02462-AAU02481) and the oligonucleotides (AAS04099-AAS04117) used in the isolation of human SCF sequences. The polynucleotide encoding SCF is useful for producing SCF and useful in gene therapy. It is useful SCF is useful for producing SCF and useful in gene therapy. It is useful for treating disorders involving blood cells such as myelofibrosis, metastatic carcinoma, acute leukaemia, multiple myeloma, Hodgkin's disease, Fulminating septicemia, malaria, congestive splenomegaly, Kala azar, sarcoidosis, military tuberculosis, disseminated fungus disease, Fulminating septicemia, malaria, vitamin B12 and folic acid deficiency, pyridoxine deficiency, and hypopigmentation disorders such as piebaldism and vitiligo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local S
Matches 18
                                                                                                                                                                                                                                                                                                                                   11-JUN-1990;
24-AUG-1990;
01-OCT-1990;
                                                                         stimulating growth of treating aplastic anem
  Example 3; Fig
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          gene therapy; han neurological dam severe combined
                                                                                                                                                                                                                                                                                                                                                                                                           16-OCT-1989;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         09-NOV-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     27-MAR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US6207802-B1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Rat stem cell factor PCR primer SEQ ID NO: 16.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAF89075 standard; DNA;
                                                                                                                                                                                                                                                                    (AMGE-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2402
                                                                  isolated non-human mammalian stem cell factor polypeptide lating growth of early hematopoietic progenitor cells, useful foing aplastic anemia, lymphoma, Letterer-Siwe disease, Kala azar,
                                                                                                                                                                      2001-353108/37
                                                                                                                                                                                                                     3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 rat;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ф
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                l Similarity
18; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATAAATGAAAGTGAGAATCC 2421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATAAATGCAAGTGATAATCC
                                                                                                                                                                                                                Bosselman RA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 mammal;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                mammal; stem cell factor; SCF; cell growth stimulation;
; haematopoietic disorder; aplastic anaemia; leukaemia;
damage; intestinal damage; infertility; AIDS; SCID;
ned immunodeficiency; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                           89US-00422383.
90US-00537198.
90US-00573616.
90US-00589701.
92US-00982255.
    12A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       94US-00336728
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Α,
209pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 90.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3 C; 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    21
                                                                                                                                                                                                                Suggs SV,
  English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ВÞ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 16.8;
Pred. No. 84;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       21
                                                                                                                                                                                                                Martin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 1;
                                                                                                                                                                                                                  FH ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 21,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                             useful for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0;
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a

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The present invention provides the protein and coding sequences of mammalian stem cell factors (SCFs). These are capable of stimulating the growth of early haematopoietic progenitor cells, neural stem cells and

sarcoidosis,

military tuberculosis,

disseminated

fungus

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RESULT 94
AAH23873
ID AAH23
XX AAH24
XX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      á
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local S
Matches 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16-OCT-1989;
11-JUN-1990;
24-AUG-1990;
01-OCT-1990;
10-APR-1991;
              The present sequence for PCR primer 228-30 is 1 of 18 oligonucleotides (AAH23859-AAH23876) used to isolate the rat SCF (stem cell factor) cDNA sequence. The present invention relates to novel stem cell factors (AAB73561-AAB73568, AAB73571-AAB73576) and the polynucleotides encoding them. SCF stimulate primitive progenitor cells including early haematopoietic progenitor cells. The invention also describes SCF peptides (AAB73578-AAB73597) and the oligonucleotides (AAB733877-AAH23895) used in the isolation of human SCF sequences. The polynucleotide encoding SCF is useful for producing SCF and useful in gene therapy. It is useful for treating disorders involving blood cells such as myslofibrosis, metastatic carcinoma, acute leukaemia, multiple myeloma, Hodgkin's disease, lymphoma, Gaucher's disease, anaemia, congestive splenomegaly, kala azar sarcoidosis military tuberculosis diseaseinted fingus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New stem cell factor polypeptides and their analogs which stimulate growth of early hematopoietic progenitors, useful for treating aplacanemia, carcinoma, multiple myeloma, vitiligo, kala azar, Hodgkin's
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 primordial germ stem cells. The sequences are useful in the treatment of leukaemias, haematopoietic disorders, aplastic anaemia, paroxysmal nocturnal haemoglobinuria, malaria, malaria disorders, neurological and intestinal damage, infertility, AIDS and severe combined immunodeficiency (SCID). The present sequence is primer used to amplify an SCF in the exemplification of the invention
                                                                                                                                                                                                                                                                                                                                                                                                        Example 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2001-256683/26.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           07-AUG-2001
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90US-00537198.
90US-00573616.
90US-00589701.
91US-00684535.
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Pred. No. 84
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RESULT 9:
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The present sequence for PCR primer 228-30 is 1 of 18 oligonucleotides (AAS04182-AAS04199) used to isolate the rat SCF (stem cell factor) cDNA CC sequence. The present invention relates to novel stem cell factors CC (AAU02761-AAU02770-AAU02775, AAU02777, AAU02777, AAU02777, AAU02777, AAU02777, AAU02777-AAU02797) and the polymucleotides CC encoding them. SCF stimulate primitive progenitor cells including early CC peptides (AAU02777-AAU02794) and the oligonucleotides (AAS04200-AAS04218) CC used in the isolation of human SCF sequences. The polymucleotide encoding CC SCF is useful for producing SCF and useful in gene therapy. It is useful for producing SCF and useful in gene therapy. It is useful for carcinoma, acute leukaemia, multiple myeloma, Hodgkin's CC disease, lymphoma, Gaucher's disease, anaemia, congestive splenomegaly, CC Kala azar, sarcoidosis, military tuberculosis, disseminated fungus CC disease, puminating septicemia, malaria, vitemin Bl2 and folic acid CC deficiency, pyridoxine deficiency, and hypopigmentation disorders such as CC piebaldism and vitiligo
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Best Local S
Matches 18
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11-JUN-1990;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   Isolated DNA sequence, encoding polypeptide product useful stimulating growth of early hematopoietic progenitor cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Rat; stem cell factor; SCF; early haematopoietic progenitor cell; blood disorder; leukaemia; Hodgkin's disease; lymphoma; splenomegaly; anaemia; Kala azar; septicemia; malaria; hypopigmentation disorder;
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milarity 90.0%;
Conservative
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90US-00537198.
90US-00573616.
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Pred. No. 8
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                      The present sequence for rat stem cell factor (SCF) cDNA PCR primer 228-CC 30 is 1 of 18 primers (AAS10417-AAS10434) used to amplify various portions of the rat SCF cDNA sequence. The sequence is described in an CC invention relating to novel stem cell factors, the polynuclectides cencoding them and methods for producing the stem cell factors. The methods involve increasing the number of early haematopoietic progenitor cells in human peripheral blood by administering a haematopoietically ceffective human stem cell factor polypeptide. The methods are useful for the treatment of blood disorders, including myelofibrosis, myelosclerosis, osteopetrosis, metastatic carcinoma, acute leukaemia, myelosclerosis, osteopetrosis, metastatic carcinoma, acute leukaemia, myelosclerosis, refractory anaemia, malaria, vitamin Bl2 and folic acid deficiency, hypopigmentation disorders i.e. piebaldism and viral induced disorders, including AIDS
                                                                                                                                                                                                                                                                                                                                                                                                                                24-AUG-1990;
01-OCT-1990;
10-APR-1991;
25-NOV-1992;
21-DEC-1993;
 Sequence
                                                                                                                                                                                                                                                     Increasing the number of early hematopoietic progenitor cells in the peripheral blood useful for the treatment of blood disorders includit Hodgkin's disease comprises the administration of human stem cell far
                                                                                                                                                                                                                             Example 3; Fig 12A; 210pp; English.
                                                                                                                                                                                                                                                                                                           WPI; 2001-407312/43.
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(BOSS/)
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11-JUN-1990;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Rat; stem cell factor; SCF; haematopoietic progenitor cell; blood disorder; Hodgkin's disease; vitamin B12; folic acid deficiency; hypopigmentation disorder; viral disorder; AIDS; PCR primer; ss.
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93US-00172329
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92US-00982255
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90US-00589701.
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G; 5 T; 0 U;
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Pred. No. 84;
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RESULT 97
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The present invention relates to novel non-naturally-occurring stem cell CC factor (SCF) polypeptides having an amino acid sequence sufficiently CC duplicative of that of naturally-occurring SCF to allow possession of CC haematopoietic biological activity of naturally occurring SCF. Sequences of the invention are useful for treating leucopaenia, thrombocycopaenia, CC anaemia and for enhancing bone marrow recovery in treatment of radiation, CC engraftment of bone marrow during transplantation in mammals and chemical CC or chemotherapeutic induced bone marrow aplasia or myelosuppression. They CC are also useful for treating acquired immune deficiency in a human, nerve CC damage, neoplasia, infertility, myeloproliferative disorder, intestinal CC damage in a mammal. SCF sequences are useful for preparing biologically CC active polymer polypeptide adduct, for enhancing transfection of early CC amamatopoietic progenitor cells with a gene, and transfer of a gene into osteopetrosis, metastatic carcinoma, acute leukaemia, multiple myeloma, CC didykin's disease, lymphoma, Gaucher's disease, Niemann-Pick disease, refractory erythroblastic anaemia, Di Guglielmo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             밁
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Matches 18; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         infertility; neoplasia; myelofibrosis; myelosclerosis; osteopetrosis; metastatic carcinoma; acute leukaemia; multiple myeloma; sarcoidosis; Hodgkin's disease; lymphoma; Gaucher's disease; Niemann-Pick disease; Letterer-Siwe disease; refractory erythroblastic anaemia; Kala azar; li Guglielmo syndrome; congestive splenomegaly; splenic pancytopaenia; disseminated fungus disease; Fulminating septicaemia; piebaldism; AIDS; acquired immune deficiency syndrome; malaria; military tuberculosis; pyridoxine deficiency; vitamin B12 deficiency; folic acid deficiency; plamond Blackfan anaemia; hypopigmentation disorder; vitiligo; PCR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 3; Fig 12A; 217pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           engraftment of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         treating leucopenia,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Zsebo
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAD35448 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          25-JUL-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           non-naturally-occurring stem cell factor polypeptide, useful ing leucopenia, thrombocytopenia, anemia and for enhancing iftment of bone marrow during transplantation in a mammal.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ) ZSEBO K M.
) BOSSELMAN R A.
) SUGGS S V.
) MARTIN F H.
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RESULT 98
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                   polynucleotide sequences encoding the SCFs, and methods of producing them. SCFs are involved in the blood-forming (haematopoietic) system mammals, particularly humans. The method of the invention is useful the production of human SCF. The stem cell factors are useful to treadisorders involving blood cells e.g. metastatic carcinoma, acute leukaemia, multiple myeloma, Hodgkin's disease, lymphoma, refractory
                                                                                                                                                                                                                                                                                                         Production of a human stem cell factor (SCF) polypeptide for disorders involving blood cells, such as leukemia, comprises mammalian cells comprising non-human SCF promoter DNA linked
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       multiple myeloma; Hodgkin's disease; lymphoma; malaria; vitiligo; refractory erythroblastic anaemia; miliary tuberculosis; cytostatic; disseminated fungus disease; haematopoletic; tuberculostatic;
                                                                                                                                                                                     The present
                                                                                                                                                                                                                                    Example 3; Fig 12A; 120pp;
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11-JUN-1990;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Rat SCF cDNA oligonucleotide 228-30.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (AMGE-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABS73832;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sugge SV,
                                                                                                                                                                                invention relates to novel stem cell factors
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90US-00537198.
90US-00573616.
90WO-US005548.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       blood-forming system; blood cell dison metastatic carcinoma; acute leukaemia;
                                                                                                                                                                                                                                    English
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Pred. No. 8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Martin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         dermatological; rat;
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                                                                                                                                                                                   (SCFB)
                                                                                                   is useful for
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to DNA
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Best Local Similarity
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                                                                                                                              Query Match
                                                                                                                                                       The invention relates to a method of generating a genome signature tag library. The method is used for generating a genome signature tag library. The present sequence represents a Y. pestis specifc PCR prime:
       Stem cell factor (SCF) related
                      29-JAN-2004
                                                 ADE52444 standard;
                                                                                                                                            Sequence 21
                                                                                                                                                                                       Example;
                                                                                                                                                                                                    Generating a genome signature tag library useful for
                                                                                                                                                                                                                  WPI; 2003-844149/78
                                                                                                                                                                                                                                 Dunn JJ,
                                                                                                                                                                                                                                                             01-APR-2002; 2002US-00113916.
                                                                                                                                                                                                                                                                           01-APR-2002; 2002US-00113916
                                                                                                                                                                                                                                                                                          02-OCT-2003.
                                                                                                                                                                                                                                                                                                       US2003186251-A1
                                                                                                                                                                                                                                                                                                                     Yersinia pestis
                                                                                                                                                                                                                                                                                                                                   genome
                                                                                                                                                                                                                                                                                                                                          PCR; primer;
                                                                                                                                                                                                                                                                                                                                                        Y. pestis specific PCR primer #5.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  disease, malaria, and vitiligo. The present sequence representing an oligonucleotide for rat SCF cDNA is used in the examples of the present
                                                                                                                                                                                                                                               (BROO-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             invention
                                                                                                                Local Similarity es 18; Conserv
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                                                                                                   CCTGCAGTGCCATCCTCATG 506
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                                                                                    CATGCAGTGCCATCCTCACG 20
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                                                                                                                                                                                                                                 Van Der Lelie
                                                                                                                 Conservative
                                                                                                                                            BP; 4 A; 8 C; 5 G; 4 T; 0 U; 0 Other;
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                     (first entry)
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                                                                                                                                                                                                                                                                                                                                  genome signature tag; tag library.
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Pred. No. 84
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Pred. No. 84;
       DNA
                                                                                                               Mismatches
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                                                                                                                                                                                                                                                                                                                                           library;
                                                                                                                              DB 1;
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                                                                                                                              Length 21;
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RESULT 101
ADP99286
ID ADP992
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AC ADP992
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DT 23-SEI
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ADP99286; 23-SEP-2004

(first entry)

ADP99286 standard; DNA;

21

ВP

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cc haematopoletic activity and the polynucleotides encoding them. The polypeptides are used for treating infertility, intestinal damage, myeloproliferative disorders, leucopenia, thrombooytopenia or anaemia, cc myeloproliferative disorders, leucopenia, thrombooytopenia or anaemia, cc marrow recovery after radiotherapy or chemotherapy and in treatment of immune deficiency, neoplasia, nerve damage, osteoporosis, metastatic cc carcinoma, leukaemia and miliary tuberculosis. The SCF polypeptides are also used to expand haematopoletic progenitor cells for transplantation and to prepare such cells for transfection with a gene. The SCF collypucleotides can be used for recombinant expression of the polypeptides and also as probes for mapping of the SCF gene, for condition stated against the polypeptides are useful in diagnosis and to remove SCF from blood. This sequence represents SCF related DNA of the
                                                                                   Query Match
Best Local Similarity
Matches 18; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Stem cell factor; SCF; haematopoietic activity; infertility; intestinal damage; myeloproliferative disorder; leucopenia; thrombocytopenia; anaemia; bone marrow transplant; immune deficiency; neoplasia; nerve damage; osteoporosis; metastatic carcinoma; leukaemia; miliary tuberculosis; haematopoietic progenitor cell; ss.
                                                                                                                                                                            Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New non-natural stem cell factor, useful for treating e.g. leucopenia or immune deficiency, also related nucleic acid and antibodies.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to stem cell factor (SCF)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; SEQ ID NO 16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2003-851459/79.
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(soss/)
(sugg/)
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24-MAY-1995;
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10-APR-1991
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24-AUG-1990
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BOSSELMAN R
SUGGS S V.
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ATAAATGCAAGTGATAATCC
                                         ATAAATGAAAGTGAGAATCC 2421
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                                                                                        Conservative
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91US-00684535.
92US-00982255.
93US-00172329.
95US-00449653.
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90US-00537198.
90US-00573616.
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21
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The invention relates to preparing a (vertebrate) human stem cell factor CC (SCF) polypeptide comprising growing host cells transformed or CC transfected with DNA encoding a human SCF that stimulates growth of CC haematopoietic progenitor cells under nutrient conditions, the DNA being CC operatively linked to an expression control sequence, and isolating the polypeptide produced. Also included is a recombinant host cell curansformed or transfected with an expression construct comprising a CC vertebrate SCF polypeptide-encoding DNA operatively linked to a CC heterologous expression regulatory sequence, permitting the expression of the vertebrate SCF polypeptide in the host cell. Disclosed as new are rat CC and human nucleic acids encoding SCF, SCF proteins from a number of other CC and human nucleic acids encoding SCF, SCF proteins from a number of other CC and circular plasmid DNA vectors, new and useful transferred and circular plasmid DNA vectors, new and useful transformed and crecular plasmid DNA vectors, new and useful transformed and crecular plasmid DNA vectors, new and useful transformed and crecular protein growth of such host cells capable of expression of SCF and its related products. The DNA encoding SCF, in methods of protein synthesis, in genetic therapy in humans and other mammals, and in developing transgenic mammalian species which may serve as eukaryotic consteopetrosis, metastatic carcinoma, acute leukaemia, multiple myeloma, osteopetrosis, metastatic carcinoma, acute leukaemia, multiple myeloma,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Rat; SCF; stem cell factor; gene therapy; haematopoietic progenitor cell; aplastic anaemia; paroxysmal nocturnal haemoglobinuria; myelofibrosis; myelosclerosis; osteopetrosis; metastatic carcinoma; acute leukaemia; multiple myeloma; Hodgkin's disease; lymphoma; Gaucher's disease; Niemann-pick disease; Letterer-Siwe disease; refractory erythroblastic anaemia; Di Guglielmo syndrome; congestive splenomegaly; Kala awar; sarcoidosis; primary splenic pancytopaenia; miliary tuberculosis; disseminated fungus disease; Puminaering septicaemia, malaria; vitamin B12 deficiency; folic acid deficiency; pyridoxine deficiency; plamond Blackfan anaemia; hypopigmentation disorder; piebaldism; vitiligo; neurological damage; infertility; intestinal damage; irradiation; chemotherapy; AIDS; haematopoletic recovery; acute blood loss; neoplasm; cancer; ss; PCR; primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Preparing a human stem cell factor (SCF) polypeptide, useful for treating hematopoietic disorders, e.g., aplastic anemia, comprises growing host cells transformed or transfected with DNA encoding a human SCF.
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21-DEC-1993;
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01-OCT-1990;
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11-JUN-1990;
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90US-00589701.
91US-00684535.
92US-0982255.
93US-00172329.
95US-00449182.
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90US-00573616.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   210pp; English.
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និនិតិនិតិនិតិនិតិនិង្គី Letterer Siwe disease, refractory erythroblastic anaemia, Di Guglielmo syndrome, congestive splenomegaly, Kala awar, sarcoidosis, primary splenic pancytopaenia, miliary tuberculosis, disseminated fungus disease, Fulminating septicaemia, malaria, vitamin B 12 and folic acid deficiency, pyridoxine deficiency, Diamond Blackfan anaemia, and hypopigmentation disorders such as piebaldism and vitiligo. The SCF are also useful for treating neurological damage, infertility states, intestinal damage resulting from irradiation or chemotherapy, and AIDS. SCF is also useful for enhancing haematopoietic recovery after acute blood loss and as a boost to the immune system for fighting neoplasia (cancer). The present sequence is a rat SCF PCR primer used in the isolation of SCF DNA. Hodgkin's disease, lymphoma, Gaucher's disease, Niemann-Pick disease,

Sequence 21 BP; 9 A; 3 C; 4 G; 5 T; 0 U; 0 Other;

Matches Best Local Similarity Query Match 18; Conservative 90.0%; 0.7%; 0; Mismatches Pred. No. Score 16.8; 84; DΒ **)** 2; Length 21; 0 Gaps 0

밁 5 2402 N ATAAATGAAAGTGAGAATCC 2421 **ATAAATGCAAGTGATAATCC** 21

ADD01326 standard; DNA; 22 BP

Human STAT-1 inhibitor oligonucleotide SEQ IJ 41

01-JAN-2004 ADD01326;

(first entry)

RESULT 102
ADD01326/c
ID ADD013
XX ADD013
XX ADD013
XX ADD013
XX OI -JAN
XX USS; in
KW Ss; in
KW cardio
KW Graft
KW Cardio
KW Jomen
KW Hood;
KW Homo E
KW Homo E
XX Homo
XX D1-APF
XX D1-A ss; inhibitor; STAT-1; signal transducer and activator of transcription; cardiovascular; restenosis; percutaneous angioplasty; stenosis; graft versus host reaction; ischaemic injury; reperfusion injury; organ transplantation; immunological hypersensitivity; allergic rhinitis; food; urticaria; celiac disease; contact dermaticis; immune complex disease; alveolitis; arthritis; bore disease; glomerulonephritis; allergic vasculitis; gout; ostitis; osteomyelitis; polymenritis; bronchitis; endocarditis; hepatitis; myocarditis; peritonitis; pancreatitis; septic shock; vasotropic; immunosuppressive; antiallergic; antiinflammatory; dermatological; antiarthritic; nephrotropic; antigout; osteopathic; hepatotropic; virucide; cardiant; antibacterial; human.

sapiens

WO2003030944-A2

02-OCT-2002; 2002WO-DE003748.

04-OCT-2001; 2001DE-01048886

(AVON-) AVONTEC GMBH

Hecker M, Wagner AH;

WPI; 2003-381684/36.

Use of inhibitor of STAT-1 activity, for the cardiovascular complications, graft versus immunological hypersensitivity. for treating or preventing versus host reactions or Φ

IJ g 41; German

This invention describes the novel use of an inhibitor of STAT-1 (signal transducer and activator of transcription) for prevention or treatment o cardiovascular complications and other diseases e.g. restenosis after or stenosis in venous by-passes; of f

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RESULT 103
ADC79529/c
ID ADC795
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CC host reactions; ischaemic/reperfusion injury in surgical operations or CC organ transplantation, immunological hypersensitivity reactions, CC especially allergic rhinitis, food and medicine allergies (particularly CC urticaria and celiac disease), contact dermattis, immune complex CC diseases, especially alveolitis, arthritis, glomerulonephritis and CC allergic vasculitis, inflammatory carthritis, glomerulonephritis and CC arthritis, gout, ostitis and osteomyelitis), polyneuritis, also CC (sub)acute infection-related, particularly post-infection, inflammatory CC (sub)acute infection-related, particularly post-infection, inflammatory CC conditions, particularly bronchitis, endocarditis, hepatitis, inflammatory CC onjonucleotide which acts as a decoy), a single-stranded (ds) DNA CC oligonucleotide which acts as a decoy), a single-stranded antisense CC (RNAi) oligonucleotide. The products of the invention have vasotropic, CC immunosuppressive, antiallergic, antianflammatory, dermatological, CC virucide, cardiant and antibacterial activity. ADD01286.ADD01346 (the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local S
Matches 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           vasotropic; antiallergic; neuroprotective; immunosuppressive; antirheumatic; antidialematory; dermatological; antiarthritic; antidiabetic; antipsoriatic; antibacterial; STAT-1; proinflammatory; leucocyte; endothelial cell; smooth muscle cell; CD40; E-selectin; inducible nitric oxide synthase; iNOS; interleukin-12; interferon-gamma; cardiovascular; restenosis; percutaneous angioplasty; transplant rejection; graft versus host disease; reperfusion; hypersensitivity reaction; autoimmune disease; reperfusion; multiple sclerosis; rheumatoid arthritis; chronic inflammatory disease; arthritis; asthma; bronchitis; psoriasis; neurodermatitis; ulcerative colitis; Crohn's disease; primer; ss.
New decoy oligonucleotides, useful for treating and preventing e.g. cardiovascular complications or transplant rejection, by neutralizations of STAT-1.
                                                                                                                                                                                                                                                                                                          04-OCT-2001; 2001DE-01048828
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO2003031459-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human STAT-1 decoy oligonucleotide
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                                                                                                                                                                                   Hecker M,
                                                                                                                                                                                                                                                                                                                                                                       02-OCT-2002; 2002WO-DE003747.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     virucide, cardiant and ant
represent the STAT-1 decoy
                                                                                                                         2003-363361/34.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          589
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                                                                                                                                                                                                                                                AVONTEC GMBH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GTGGCAGGATGTCTCAGTGG
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                                                                                                                                                                                Wagner AH;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                            complications or transplant rejection, by neutralization
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              σ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        oligonucleotides used in the method of the
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 16.8;
Pred. No. 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    82;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 1; Length 22;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    <u>ب</u>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
Matches 18; Conserv
                                                                 12-MAR-2003;
13-MAR-2003;
13-MAR-2003;
                                                                                                                                                                                                                                                                                                                                                                          antilipemic; cardiant; vasotropic; antiarteriosclerotic; antidiabetic; cytostatic; anticonvulsant; nootropic; muscula; anti-HIV; RNA interference; iRNA; antisense technology; lipId metabolism; cholesterol imbalance; dyslipidaemia hypercholesterolaemia; coronary artery disease; CAD; coronary heart disease; CHD; atherosclerosis; hepatic glucose production; glucose-metabolism-related disorder; diabetes; cancer; breast cancer; glucose-metabolism-related disorder; diabetes; cancer; breast cancer; colon cancer; lung cancer; neurological disease; Huntington disease; colon cancer; lung cancer; neurological disease; Huntington disease;
                       14-APR-2003;
17-APR-2003;
                                                                                                                                     07-MAR-2003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADR77478 standard; DNA; 19 BP
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                                                                                                                                                                               08-MAR-2004;
                                                                                                                                                                                                                         23-SEP-2004
                                                                                                                                                                                                                                                                                                                  Homo sapiens
                                                                                                                                                                                                                                                                                                                                                            spinocerebellar ataxia; viral disease; AIDS; apolipoprotein B; apoB; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human apolipoprotein B (ApoB) oligonucleotide segid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     16-DEC-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADR77478;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 22 BP; 6 A; 9 C; 3 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  antiasthmatic, antidiabetic, antipsoriatic and antibacterial activity. The oligonucleotides neutralise or inhibit expression of STAT-1 and thus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        This invention describes novel decoy oligonucleotides which have vasofropic, antiallergic, neuroprotective, immunosuppressive,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 3; SEQ ID NO 41; 52pp; German
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2003US-0454265P.
2003US-0454962P.
2003US-0455050P.
2003US-0462894P.
2003US-0462894P.
2003US-0463772P.
2003US-046565P.
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                                                                                                                                   2003US-0452682P
                                                                                                                                                                                 2004WO-US007070
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 16.8;
Pred. No. 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
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RESULT 105
ADR80422
ID ADR804
XX
XX
ADR804
XX
ID ADR804
XX
ID ADR804
XX
ID 16-DEC
XX
ID Human
XX
XX
XW antili
XW cytost
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cc and the antisense sequence targets a human gene sequence. Also described cc are: a pharmaceutical preparation comprising (1); reducing (M1) apoB-100 CC levels or glucose-6-phosphatase levels in a subject; producing (I); cc stabilising (I); involves selecting a sequence with activity and cintroducing one or more asymmetrical modification in the sequence, where the modification decreases nuclease sensitivity while not decreasing its cativity; a kit comprising (I) and instruction for its use; and a device that can be dispense or administer a composition comprising (I). (I) is useful for reducing apoB-100 levels or glucose-6-phosphatase levels. (M1) is useful for reducing apoB-100 levels or glucose-6-phosphatase levels. (CC therwise unwanted expression of apoB-100, elevated or otherwise unwanted expression of apoB-100, elevated or otherwise unwanted expression of apoB-100, elevated or otherwise unwanted (CC disorder is chosen from the HDL/LDL cholesterol imbalance, compared to the compared to
                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local S
Matches 17
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09-MAY-2003; 2003US-0495912P.
08-AUG-2003; 2003US-04943986P.
11-AUG-2003; 2003US-0494597P.
26-SEP-2003; 2003US-0505341P.
09-OCT-2003; 2003US-0510318P.
10-CCT-2003; 2003US-0510318P.
antilipemic; cardiant; vasotropic; antiarteriosclerotic;
cytostatic; anticonvulsant; nootropic; muscula; anti-HIV
                                                                       Human apolipoprotein B (ApoB) oligonucleotide seqid 4919.
                                                                                                                         16-DEC-2004
                                                                                                                                                                          ADR80422
                                                                                                                                                                                                                  ADR80422 standard; DNA; 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              sense sequence and an antisense sequence, where the sense sequences have one or more asymmetrical 2'-O alkyl modifications, the antisense sequences have one or more asymmetrical phosphorothicate modifications sequences have one or more asymmetrical phosphorothicate modifications and the antisense sequence targets a human gene sequence. Also describe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Interference RNA agent useful for treating dyslipidemias, coronary disease, diabetes, cancer or neurological disease, comprises sense sequence and antisense sequence which has specific modifications.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 5; SEQ ID NO 1963; 378pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2004-677362/66.
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                                                                                                                                                                                                                                                                                                                                                                                            215
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                                                                                                                                                                                                                                                                                                                                                                                                                                       1 Similarity
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                                                                                                                                                                                                                                                                                                                                                                                       TGGGCGGGCTTCAGCCAT 232
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                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        BP; 2 A;
                                                                                                                         (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              uman apolipoprotein B (ApoB) antisense oligonucleotide that
control ApoB gene expression.
                                                                                                                         entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5 C; 6 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            94.4%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 16.4;
Pred. No. 1e
                                                                                                                                                                                                                                                                                                                                                                                                                                       Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                            1; DB 1; Length 19;
1e+02;
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 comprising

                      antidiabetic;
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25-APR-2003;
25-APR-2003;
09-MAY-2003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RNA interference; iRNA; antisense technology; lipid metabolism; cholesterol imbalance; dyslipidaemia hypercholesterolaemia; coronary artery disease; CAD; coronary heart disease; CHD; atherosclerosis; hepatic glucose production; glucose-metabolism-related disorder; diabetes; cancer; breast cancer; colon cancer; lung cancer; neurological disease; Huntington disease; colon cancer; lung cancer; neurological disease; Huntington disease;
WPI; 2004-677362/66.
                                                                                                                                                                                                                    26-SEP-2003;
                                                                                                                                                                                                                                           11-AUG-2003;
                                                                                                                                                                                                                                                                  08-AUG-2003;
                                                                                                                                                                                                                                                                                                                                                                14-APR-2003;
17-APR-2003;
                                                                                                                                                                                                                                                                                                                                                                                                           13-MAR-2003;
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                                                                                                                                                                                                                                                                                                                                                                                                                                        13-MAR-2003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO2004080406-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           colon cancer; lung cancer; neurological disease; Huntington disease; spinocerebellar ataxia; viral disease; AIDS; apolipoprotein B; apoB; ss.
                                                                                           ALNYLAM PHARM
                                           Z
                                                                                                                                       2003US-0452682P.
2003US-0454965P.
2003US-0454965P.
2003US-0455950P.
2003US-0463772P.
2003US-046565P.
2003US-046565P.
2003US-0465802P.
2003US-0465802P.
2003US-0494597P.
2003US-0494597P.
2003US-0510318P.
2003US-0510318P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2004WO-US007070.
                                           Bumcrot
                                           Ö
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Interference RNA agent useful for treating dyslipidemias, coronary artery disease, diabetes, cancer or neurological disease, comprises sense sequence and antisense sequence which has specific modifications.

Example 5; SEQ ID NO 4919; 378pp; English.

Sense sequence and an antisense sequence, where the sense sequences have one or more asymmetrical 2'-O alkyl modifications, the antisense sequence cone or more asymmetrical 2'-O alkyl modifications, the antisense sequence targets a human gene sequence. Also described are: a pharmaceutical preparation comprising (I); reducing (MI) app8-100 levels or glucose-6-phosphatase levels in a subject; producing (I); stabilising (I), involves selecting a sequence with activity and activity; a kit comprising (I) and instruction for its use; and a device that can be dispense or administer a composition comprising (I) is useful for reducing apoB-100 levels or glucose-6-phosphatase levels. (MI) is useful for reducing apoB-100 levels or glucose-6-phosphatase levels. (MI) is useful for reducing apoB-100 levels or glucose-6-phosphatase levels. (MI) is useful for reducing apoB-100 levels or glucose-6-phosphatase levels. (MI) is useful for reducing apoB-100 levels or glucose-6-phosphatase levels. (MI) is useful for reducing apoB-100 levels or glucose-6-phosphatase levels. (MI) is useful for reducing apoB-100 levels or glucose-6-phosphatase levels. (MI) is useful for reducing apoB-100 levels or glucose-6-phosphatase levels. (MI) is useful for reducing apoB-100 diseregulation of lipid metabolism. The disorder is chosen from the HDI/LDL cholesterol imbalance, where the disorder e.g. diabetes or type-2 diabetes. (CAD), coronary heart disease (CHD), and atherosclerosis. (I) is administered to a subject to related disorder e.g. diabetes or type-2 diabetes. (I) is useful for treating the diseases as mentioned above, cancer (e.g., breast, colon or spinocerebellar ataxia) or viral disease (e.g., AIDS). This sequence can be used to control ApoB gene expression.

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RESULT 106
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                     Claim 1;
                                                                          Antisense oligonucleotides for inhibiting the expression of the human protein kinase A catalytic subunit C-alpha, particularly useful for preventing, delaying or treating infection, inflammation or tumor
                                                                                                                                                                                                                                                                                        17-DEC-1999;
                                                                                                                                                                                                                                                                                                                                17-DEC-1999;
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Pred. No. 1e
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Matches 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human granulocytic ehrlichiosis; HGE; HGE agent; P44 protein; P44-12; outer membrane protein; hypervariable region; HVR; CR1; CR2; vaccine; Ehrlichia chaffeensis; Borrelia burgdorferi; PCR primer; 88.
                                                                                                                                                                          New outer membrane proteins from the agent that causes human granulocytic ehrlichiosis, used for diagnosis, treatment and prevention.
                                                                                                                                                                                                                       WPI; 1999-620249/53.
                                                                                                                                                                                                                                                                                                      09-APR-1998;
07-APR-1999;
                                                                                                                                                                                                                                                                                                                                               08-APR-1999;
                                                                                                                                                                                                                                                                                                                                                                          21-OCT-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic
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                                                                                                                                                                                                                                                                                                                                                                                                                               Ehrlichia sp.
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99US-0128087P.
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Pred. No. 98;
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PCR primers AAZ30148-49 were used to amplify DNA encoding P44-12 protein of the agent that causes human granulocytic ehrlichiosis (HGB). P44 proteins are outer membrane proteins, which comprise a hypervariable region (HVR), and two conserved regions (CR1 and CR2), linked, directly or indirectly through a linker to the N-terminus and C-terminus, repectively, of HVR. The proteins are used to disgnose HGE, by binding to antibodies present in infected subjects and as immunogens or vaccines for treatment/prevention of HGE. Antibodies against Ab are used for immunolabeling of isolates of the HGE agent, for detecting HGE in biological samples, for affinity purification of P44 prorteins and for

tor of to

Page 24; 52pp; English.

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ADA5041:
XX ADA504
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Best Local Similarity
Matches 17; Conserv
The present invention describes isolated nucleic acids encoding nucleic acid polymerases from Thermus scotoductus. Also described: (1) an isolated nucleic acid (1) encoding a nucleic acid polymerase from Thermus scotoductus strain X-1, ATCC Deposit No. 27978; (2) an isolated DNA polymerase polypeptide from Thermus scotoductus strain X-1, ATCC Deposit No. 27978; (3) an isolated nucleic acid (II) comprising any of a set of 12 nucleic acid sequences (S1, see ADAS0425 to ADAS0436) which encodes a nucleic acid polymerase; (4) an isolated nucleic acid (III) encoding a nucleic acid polymerase; (4) an isolated nucleic acid mino acid sequences (S2, see ADAS0389 to ADAS0404); (5) isolated nucleic acid polymerase; (1), or (III), and especially expression vectors in which the nucleic acid polymerase gene is operably linked to a promoter; (7) a host cell comprising an isolated nucleic acid molecule encoding a
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 1; Page 81; 179pp; English
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salt tolerance; thermosta
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30-NOV-2001; 2001US-0334489P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   nucleic acid encoding a Thermus scotoductus strain x-1, ATCC Deposit 27978 nucleic acid polymerase, useful for producing nucleic acid ymerases having e.g., improved sequence discrimination or better salt
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thermostability;
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Pred. No. 94;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Thermus scotoductus; DNA polymerase, PCR primer; ss.
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The invention amino acid sec

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extracellular isolated

soluble polypeptide comprising an ılar domain of an EphB4 or Ephrin B2

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Example 9; Page 98; 198pp; English.

New soluble polypeptides comprising an extracellular domain of EphB4 Ephrin B2 protein for diagnosing or treating cancer or angiogenesis-associated diseases, such as inflammatory disorders, psoriasis or

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2004-668883/65

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RESULT 109
ADR87061
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local S
Matches 17
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12-MAR-2003;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cytostatic; antiinflammatory; antirheumatic; antipsoriatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADR87061 standard; DNA;
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17; Conserv
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2003US-0454432P.
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                                                                                                                                                                                                                                                                                                                                              Zozulya S,
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Pred. No. 9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           polypeptide binds specifically to the Ephrin B2 polypeptide, and the Ephrin B2 polypeptide binds specifically to the EphB4 polypeptide. Also described are: an antagonist antibody that binds to an extracellular companion of the EphB4 or Ephrin B2 protein and inhibits an activity of the EphB4 or EphB4 or Ephrin B2 protein and inhibits an activity of the EphB4 or EphB4 or Ephrin B2 protein and inhibits an activity of the CE phB4 or Ephrin B2, a pharmaceutical or commetic composition, or a composition, or a composition, or a composition, or an angiogenesis or inhibiting signaling through Ephrin B2/EphB4 pathway in a coll; a method of reducing the growth rate of a tumour, methods for coll; a method of reducing the growth rate of a tumour, methods for creating a patient suffering from a cancer or an angiogenesis-associated disease; and a method for identifying a tumor that is suitable for treatment with an EphrinB2 or EphB4 antagonist. The polypeptide or antibody is useful for manufacturing a medicament for the treatment of cancer or an angiogenesis-associated disease. The composition and methods cancer or an angiogenesis-associated disease, such as inflammatory disorders, chronic articular rheumatism, psoriasis, occular angiogenic diseases or scleroderma. This sequence represents a human ephrin B2 sirnA that can be used to control EphB2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Loc
Matches
                                                                                                                                                                          transcripts or decreasuseful for diagnosing
                                                                                                                                                                              New isolated nucleic acid compounds that hybridize to EphB4 or EphrinB2 transcripts or decrease the expression of EphB4 or EphrinB2 in cells, useful for diagnosing or treating cancer or angiogenesis-associated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12-MAR-2003; 2003US-0454300P.
12-MAR-2003; 2003US-0454432P.
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scleroderma; cytostatic; antiinflammatory; antirheumatic; antipsoriatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     human; ss; antisense; EphB4; EphrinB2; cancer;
angiogenesis-associated disease; inflammatory disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human EphrinB2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             VASGENE THERAPEUTICS INC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               antisense RNAi probe #18.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ophthalmological; angiogenesis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Α,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                S
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 16.4;
Pred. No. 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0 U;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      94;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0 Other
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 1; Length 21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ۲,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       inhibitor; probe; RNAi.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                <u>.</u>
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Example 9; Page 105; 206pp; English

The invention relates to an isolated nucleic acid compound comprising

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1256 CACCATCCCCAAGCTGGAGCA 1276

CATCATCCACAAGCAGGAGCA

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Best Local
Matches 1
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Best Local S
Matches 17
                            Query Match
                                                                               The sequences given in AAQ63500-35 are primers which were used in the amplification of regions of the non-A, non-B hepatitis (NANBH) virus genome. The pref. virus is blood transmissible and the amplified fragments are used in the detection of hepatitis virus. The target DNA was isolated from serum of chronically infected NANBH patients who were C100 antibody-positive and HCV RNA (NSS region) positive. Reverse transcription-PCR and PCR were performed on cDNA and the total human NANBH DNA was constructed from 23 clones (see also AAQ63499)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          physiological conditions and decreases the expression of EphB4 or EphrinB2 in a cell. The nucleic acid is useful for manufacturing a medicament for the treatment of cancer or angiogenesis-associated diseases. The composition and methods are useful for diagnosing or treating cancer or angiogenesis-associated diseases, such as inflammatory disorders, chronic articular rheumatism, psoriasis, ocular angiogenic diseases or scleroderma. The present sequence represents a human EphrinB2
                                                        Sequence 21 BP; 8 A; 7 C; 4 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                            of hepatitis virus.
                                                                                                                                                                                                                                                         Blood-transmissible non-A non-B hepatitis virus DNA - used for detection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Polymerase chain reaction; PCR; amplify; primer; non-A, NANBH; virus; blood transmissible; detection; hepatitis C100 antibody; HCV RNA; NS5 region; 88.
                                                                                                                                                                                                              Example 1; Page 3; 22pp; Japanese.
                                                                                                                                                                                                                                                                                     WPI; 1994-163130/20
                                                                                                                                                                                                                                                                                                                                                                        10-MAR-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                JP06105690-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NANBHV primer 77R, binding position 2535-2554.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         17-JAN-1995 (first entry
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAQ63503 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                antisense RNAi probe.
                                                                                                                                                                                                                                                                                                                                             10-MAR-1992;
                                                                                                                                                                                                                                                                                                                 (KAEN/) KAENNO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             east a portion that hybridises to an EphB4 or EphrinB2 transcript under
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   227
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                 Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AGCCATGAAGATCCTCAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AGCCATGAAGACCCTCAT 244
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 Conservative
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             0.7%;
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                 Pred.
                            Score 16.2;
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Pred. No. 94
Mismatches
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                1e+02;
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                            DB 1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1;
                          Length 21;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    non-B hepatitis;
virus; RT-PCR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           21;
 0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               <u>,</u>
 Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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                                                                                                                                             CC This invention describes a novel method for identifying an inhibitor CC potentially useful for treatment of cancer, where the inhibitor is active CC on a gene vital for cell growth or viability, and where the gene is CC subject to loss of heterozygosity (LOH) in a cancer. The inhibitor is CC used for preventing the development of cancer in a patient having a CC precancerous condition, by administering to the patient a first allele CC specific inhibitor (ASI) trageted to an allela of a first sesential gene CC ealls of the patient are heterozygous for the first gene, the inhibitor CC cells of the patient are heterozygous for the first gene, the inhibitor CC is active on at least one but less than all allelic forms of the gene CC present in a population and tragets only one allelic form present in the CC normal somatic cells, and the first gene. The products and methods can be CC used in the diagnosis, prevention and treatment of LOH disorders, e.g. CC cancers, atherosclerotic plaques, premalignant metaplastic or dysplastic CC lesions, benign tumours, endometriosis, polycystic kidney disease, and CC malignant cells from bone marrow transplants. AAZZ5812-Z26825 represent xxx
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 112
AAZ26556
                                                                      Query Match
Best Local S
Matches 18
                                                                                                                                             Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; Fig 7; 605pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  prevention dysplastic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Polymorphism; human; inhibitor; cancer; treatment; cell growth; LOH; cell viability; loss of heterozygosity; precancerous condition; ASI; allele specific inhibitor; somatic cell; diagnosis; prevention; atherosclerotic plaque; premalignant metaplastic lesion; endometriosis; dysplastic lesion; benign tumour; polycystic kidney disease; transplant; graft versus host disease; malignant cell removal; bone marrow; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Identifying target genes for allele-specific drugs - used for diagnosis, prevention and treatment of, e.g. cancers, atherosclerotic plaque, dysplastic lesions, endometriosis or graft versus host disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19-MAR-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 1998-521232/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20-MAR-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (VARI-) VARIAGENICS INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human polymorphic region 745.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    30-NOV-1999
                                    822
ш
                                                                      l Similarity
18; Conserv
                                                                                                                                               21
                                  AACTICCGAATGCCTGTGTTG 842
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         standard; DNA; 21 BP
                                                                                                                                           BP; 6 A; 4 C; 6 G; 5 T; 0 U; 0 Other;
                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  97US-0041057P
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                                                                                     0.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Stanton
                                                                      0
                                                                                     Score 16.2; DB 1; Length Pred. No. 1e+02;
21
                                                                      Mismatches
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                                                                    Indels
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AAF96288

AAF96288 standard; DNA;

21

ВP

RESULT 114 ADQ93958 RESULT 113

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                                                       Matches
                                                                    Query Match
Best Local Similarity
                                                                                                                                                                                        The present invention provides a method of diagnosing a vascular disease in an individual, involving determining the sequence at various polymorphic sites within the human thrombospondin 1 and thrombospondin 4 genes. The sequences at a number of polymorphic sites are also provided in the specification. In particular, the method can be used in the diagnosis of atherosclerosis, myocardial infarction, coronary heart disease, stroke, peripheral vascular diseases, venous thrombosmbolism and pulmonary embolism. Single nucleotide polymorphisms (SNPs) are also useful in forensics, paternity testing, genetic analysis and phenotype correlations to diseases. The present sequence is an example of one of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10-SEP-1999;
26-JUL-2000;
16-AUG-2000;
                                                                                                                                                                                                                                                                                                                                                                                      Nucleic acids comprising single nucleotide polymorphisms, useful in applications such as forensics, paternity testing, medicine, genetic analysis and phenotype correlations to diseases such as diabetes and
                                                                                                             Sequence
                                                                                                                                      Revised record issued on 18-NOV-2004 : The variantion incorrectly given a captial \ensuremath{\mathbf{V}}
                                                                                                                                                                                                                                                                                                                                                Example; Page 123; 242pp; English.
                                                                                                                                                                                                                                                                                                                                                                            atherosclerosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2001-226749/23.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human; variant thrombospondin 1; variant thrombospondin 4; SNP; polymorphism; vascular disease; coronary artery disease; forensics; myocardial infarction; atheroselerosis; stroke; venous thromboembolism; pulmonary embolism; paternity test; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Lander ES,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (WHED )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens.
Unidentified.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  18-NOV-2004
06-JUN-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  variation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAF96288;
                                                                                                                                                                               human gene
                           745
                                                      18;
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                                                                                                             21
GTAACTTCAGCAAACAGGCCA 21
                          GCAACTTCAGCACAGAGGCCA 765
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      single nucleotide
                                                                                                            BP; 8 A;
                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gargill M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              99US-0153357P.
2000US-0220947P.
2000US-0225724P.
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(first entry)
                                                                                                                                                                               SNPS shown in the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   standard_name= "Single nucleotide polymorphism"
                                                                 0.7%;
                                                                                                          6 C; 4 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ireland JS,
                                                      0
                                                                   Score 16.2;
Pred. No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     polymorphism
                                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Bolk
                                                                 1e+02;
                                                                               DB 1;
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                                                                               Length
                                                      Indels
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                                                                                                                                                                                                                                     thromboembolism and
                                                                                                                                                      feature
                                                                               21;
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                                                                                                                                                                                                                                                                                                                                                                            RESULT 115
AAL55455/c
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Best Local Similarity
Matches 18; Conserv
                                                                                                                                                                                                                                                                                                                                                                           Sequence 21
                                                                                                                                                                                                                                                                                                                                                                                                            The present invention relates to a method for treating and preventing androgen-independent prostate cancer (also called hormone refractory prostate cancer) in mammal. The method involves administration of a benzothiophene derivative to a mammal. The present sequence is human oestrogen receptor (ER)-alpha DNA amplifying reverse transcription (RT)-PCR primer. This sequence is used to illustrate the method of the
                                                                                                     Recombination virus; proliferating; tumour cell; anti-oncogene; proliferation; telomerase promoter; therapy; tumour; PCR; primer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Use of benzothiophene derivatives for preventing and/or treating androgen -independent prostrate cancer in {\tt mammals}\,.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Androgen-independent prostate cancer; hormone refractory prostate cancer; benzothiophene; therapy; human; ER; oestrogen receptor; RT; reverse transcription; PCR; primer; 88.
           12-JUL-2002; 2002WO-CN000493
                                                                                                                                                                                                                   AALSS455 standard; DNA; 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2004-517037/49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ague
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
                                   23-JAN-2003
                                                                                 Unidentified
                                                                                                                                                                   22-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   09-MAY-2002; 2002US-00142087.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           23-JUL-2003; 2003US-00625152
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human oestrogen receptor (ER)-alpha DNA amplifying forward RT-PCR primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                23-SEP-2004
                                                         WO2003006640-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (CEDA-) CEDARS SINAI MEDICAL CENT
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                                                                                                                                                                                                                                                                                                     1327
                                                                                                                                                                                                                                                                             \vdash
                                                                                                                                                                                                                                                                                        TGGTGAAGCTCTTCGACAAGC 1347
                                                                                                                                           tumour cell
                                                                                                                                                                                                                                                                             TGGTGGAGATCTTCGACATGC 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQ ID NO 4; 21pp; English.
                                                                                                                                                                                                                                                                                                                                                                          BP; 4 A; 4 C; 7 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DNA;
                                                                                                                                          proliferation
                                                                                                                                                                                                                                                                                                                                       85.7%;
                                                                                                                                                                                                                                                                                                                                                   0.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               21
                                                                                                                                                                                                                   BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               BP
                                                                                                                                                                                                                                                                                                                           0;
                                                                                                                                                                                                                                                                                                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                             Mismatches
                                                                                                                                                                                                                                                                                                                                     16.2; DB 1
. No. le+02;
                                                                                                                                          related PCR primer,
                                                                                                                                                                                                                                                                                                                                                   DB 1;
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                                                                                                                                                                                                                                                                                                                                                  Length 21;
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                                                                                                                                           SEQ
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RESULT 116
ABQ76085/c
ID ABQ760
CCCX8X444X8X8X8X8X8X8X8X8X8X8X8X8X8X
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local S
Matches 16
                                                            Telomerase promoter-controlled recombinant viruses proliferating specifically in tumor cells to highly express antioncogene to kill tumor cells by synergism, applicable in treating tumor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to a recombination virus proliferating in a tumour cell, which can express an anti-oncogene with high efficiency. The invention also relates to the method of its proliferation. A telomerase promoter controlling the transcription of at least one necessary gene for a recombination virus proliferating, can make the virus optionally proliferate in a tumour cell, which has the activity of telomerase and basically does not proliferate in a normal cell without the activity of a telomerase. The recombination virus can be used in therapy of many kinds of tumours. This polynucleotide sequence represents a PCR primer relating to the specific proliferation in a tumour cell of the invention
                                    Example 5;
                                                                                                                    WPI; 2002-464081/50.
                                                                                                                                               Qian
                                                                                                                                                                                                                                                                                 CN1339584-A.
                                                                                                                                                                                                                                                                                                                                    early virus gene;
                                                                                                                                                                                                                                                                                                                                                                                                                                  ABQ76085;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABQ76085 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Telomerase promoter-controlled recombinant viruses proliferating specifically in tumor cells to highly express antioncogene to kill tumor cells by synergism, applicable in treating tumor.
                                                                                                                                                                                                                            12-JUL-2001; 2001CN-00126113
                                                                                                                                                                                                                                                       13-MAR-2002
                                                                                                                                                                                                                                                                                                          Unidentified.
                                                                                                                                                                                                                                                                                                                                                  Proliferation; anticancer gene;
                                                                                                                                                                                                                                                                                                                                                                            Anticancer gene-associated
                                                                                                                                                                                                                                                                                                                                                                                                        30-SEP-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Qian
                                                                                                                                                                                                 12-JUL-2001; 2001CN-00126113
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 6; Page 30; 56pp; Chinese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2002-464081/22
                                                                                                                                                                        (QIAN/) QIAN Q.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12-JUL-2001; 2001CN-00126113.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    O NAIO! (/NAIO)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        143 GAAGCCCTGGCCCCGG 158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16;
                                                                                                                                             Wu M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GAAGCCCTGGCCCCGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     19 BP; 1 A; 6 C; 9 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Wu M,
                                    Page 16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ilarity 100.0%;
Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                            Cen X;
                                                                                                                                                                                                                                                                                                                                     PCR; primer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            DNA; 19
                                    25pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            S
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                                     Chinese
                                                                                                                                                                                                                                                                                                                                                                            PCR
                                                                                                                                                                                                                                                                                                                                                                                                                                                            ВP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 16;
Pred. No
                                                                                                                                                                                                                                                                                                                                                                            primer #16.
                                                                                                                                                                                                                                                                                                                                                  tumour cell; telomerase; promoter;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  red. No. 1.
Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB . 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1.1e+02;
hes 0;
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This invention describes a novel recombined virus for specific proliferation and efficient expression of an anticancer gene in

tumour

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AAZO3129/C
ID AAZO
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Best Local
                                                                                                                                                 PCR primers AAZ01426-Z06209 were used to amplify open reading frames (ORFs) of the genome of Chlamydia trachomatis (see AAZ01425). These ORFs encode polypeptides (see AAY36754-Y37949) which can be used as vaccines against Chlamydia trachomatis. Antisense and ribozyme sequences can also be used to control growth of the microorganism. Chlamydia trachomatis is responsable for a large number of diseases, e.g. eye diseases such as conventional trachoma, nonendemic trachoma, paratrachoma, and inclusion conjunctivitis; genital diseases such as nongonococal urteritis, epidymitis, cervicitis, salpingitis, perihepatitis, bartholinitis; pneumopathy in breast feeding infants; and venereal lymphogranulomatosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; Page 1581; 1755pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Genome sequence of Chlamydia trachomatis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 1999-371125/31.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   04-NOV-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     paratrachoma; inclusion conjunctivitis; genital disease; perihepatitis; nongonococcal uretritis; epidymitis; cervicitis; salpingitis; PCR primer; bartholinitis; pneumopathy; venereal lymphogranulomatosis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cells. By inserting a telomerase promoter in the upstream area of an early virus gene, the recombinant virus is made to proliferate selectively in tumour cells with telomerase activity rather than in normal cells without telomerase activity. This recombinant virus may used to treat several kinds of tumours. This sequence represents a PC primer used to illustrate the method described in the disclosure of the sequence represents as the primer used to illustrate the method described in the disclosure of the sequence represents as the primer used to illustrate the method described in the disclosure of the sequence represents as the primer used to illustrate the method described in the disclosure of the sequence represents as the primer used to illustrate the method described in the disclosure of the sequence represents as the primer used to illustrate the method described in the disclosure of the sequence represents as the primer used to illustrate the method described in the disclosure of the sequence represents as the primer used to illustrate the method described in the disclosure of the primer used to illustrate the method described in the disclosure of the primer used to illustrate the method described in the disclosure of the primer used to illustrate the method described in the primer used to the pri
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17-DEC-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Chlamydia trachomatis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PCR primer used to amplify an ORF of Chlamydia trachomatis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              07-OCT-1999
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GEST ) GENSET
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         143 GAAGCCCTGGCCCCGG 158
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          97FR-00015041.
97FR-00016034.
98US-0107077P.
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                                                                                                                           invention
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Pred. No. 1.1e+02;
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                                                                                                                       may
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Query Match

Sequence

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3 C; 7 G; 6 T; 0 U; 0 Other;

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DB

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Length 20;

Query Match

Sequence

20

B₽;

6 A;

7 C; 4

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Length 20;

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RESULT 118
ABZ88088/6
AD ABZ88080
AC ABZ880
AC AC APF
                                                                                 CC The invention relates to a novel pharmaceutical composition, which has a CC first active agent comprising an oligonucleotide antisense to the CC initiation codon, coding region, 5' or 3' end genomic flanking regions, CC 5' and 3' intron-exon junctions, or regions within 2-10 nucleotides of junctions of genes encoding a polypeptide associated with lung and/or CC nasal airway dysfunction and a second active agent comprising an CC antiinflammatory steroid and ubiquinone. A composition of the invention CC immunosuppressive, and cytostatic activity. The composition may have a CC use in antisense gene therapy. The composition is useful for treating or CC preventing a respiratory, lung or malignant disease or condition, also CC for enhancing the prophylactic or therapeutic respiratory effect of an antiinflammatory steroid in a subject, for reducing or depleting levels of antiinflammatory benchdoilation, increasing levels of adenosine CC receptor, producing bronchdoilation, increasing levels of adenosine CC lung surfactant in a subject's tissue, or treating bronchoconstriction, CC lung inflammation, lung allergies, or a respiratory disease or condition. CC Specification, but was obtained in electronic format directly from WIPO CC at fer, wipo, int/onl/hull-ishad not segmences.
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Matches 16; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Pharmaceutical composition for treating ailments associated with impaired respiration, has oligo(s) antisense to specific gene(s) or its corresponding RNAs, and glucocorticoid or non-glucocorticoid steroid or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human; antisense; lung dysfunction; nasal airway dysfunction; antiinflammatory steroid; ubiquinone; antiinflammatory; antiallergic; antiasthmatic; bypotensive; immunosuppressive; cytostatic; gene therapy antisense gene therapy; respiratory; lung; adenosine sensitivity; adenosine receptor; bronchodilation; bronchoconstriction; lung allergy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure; SEQ ID NO 3330; 872pp; English
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, Tang L,
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L, Shahabuddin
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Best Local Similarity

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RESULT 119
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                     This invention describes a novel composition (a) a first active agent, comprising oligonuclectides, effective for alleviating comprising oligonuclectides, effective for alleviating composition or respiratory tract inflammation, allergies and reducing adenosine sensitivity, levels of adenosine (A) or (A) receptors, surfactant depletion or hyposecretion, when administered to a mammal. The coligonucleotides are derived from a gene encoding or regulating coligonucleotides are derived from a gene encoding or regulating mRNA. The invention or cancer and can be anti-sense to the corresponding mRNA. The invention also describes a kit, that comprises: (a) a delivery device, in separate containers, (b) the oligonucleotides, (c) instructions for adding a carrier and for use of the kit. The composition of the invention has antiallergic, antinflammatory, antiasthmatic, analyses in the invention and a carrier and for use of the kit. The composition comprises oligo and is administered to reduce the production or to treating a respiratory, lung or malignant disease. The administered composition comprises oligo and is administered to reduce the production or availability, or to increase the degradation of the target mRNA or to creduce the amount of target polypeptide present in the lungs. The coligonary obstruction, and/or bronchoconstriction and/or lung that a disease or condition such as pulmonary vasoconstriction, are associated with a disease or condition such as pulmonary vasoconstriction.
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Miller S,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Pharmaceutical composition for treating asthma, has antisense oligonucleotide containing less percentage of adenosine, targeted nucleic acids associated with lung airway or lung dysfunction, and
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Best Local
                        The present invention describes a lentiviral vector comprising a nucleotide sequence encoding a small interference RNA (sirNA). Also described is a method of reducing expression of a target gene in a cell comprising: (a) introducing into the cell a lentiviral vector encoding a sirNA specific for the gene; and (b) placing the cell under conditions, where the sirNA specific for the gene is expressed to cause a detectable decrease in expression of the gene. The sirNA has cycostatic and virucide activities, and can be used in gene therapy. The vector is useful for reducing expression of a target gene in a cell. The present sequence represents a mouse Sca-2 target oligonucleotide, which is used in an example from the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         distress syndrome, pain, cystic fibrosis, allergic rhinitis, pulmonary hypertension, emphysema, chronic obstructive pulmonary disease, pulmonary transplantation rejection, pulmonary infections, bronchitis or cancer. The reduced adenosine content of the anti-sense oligos corresponding to thymidines present in the target RNA serves to prevent the breakdown of the oligonucleotides into products that free adenosine into the system e.g., lung, brain, heart, kidney, etc, tissue environment and thereby, to
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                                                                                                                                                                                                                                 Example 1;
                                                                                                                                                                                                                                                                                 New lentiviral vector comprising a nucleotide sequence encoding a interference RNA, useful for reducing expression of a target gene
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mus musculus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    gene therapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mouse Sca-2 target oligonucleotide SEQ ID NO:44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADQ90647 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       lentiviral vector; small interference RNA; siRNA; cytostatic; virucide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1677 TCAGTCTTCTTGGGGA 1692
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Similarity 100.
16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TCAGTCTTCTTGGGGA
                                                                                                                                                                                                                               SEQ ID NO 44; 51pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sca-2; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         mRNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            σ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 16;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            <u>..</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                 small
in a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0
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Query Match 0. Best Local Similarity 68. Matches 11; Conservative

0.7%;

Score 16; DB 1; Length 21; Pred. No. 1.1e+02; 5; Mismatches 0; Indels

0

Gaps

0

Sequence

21

B₽;

σı P

7 C; 3

G; 0 T;

Ø

U; 0 Other;

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RESULT 121
AD090611
ID AD0906
AC AD0906
AC AD0906
XX AD0906
XX BORN
DT 21-OC
XX SCA-2
XX Lenti
KW Gene
OS Synt:
XX W020
XX W020
XX W020
XX Lenti
KW Gene
XX W020
XX W020
XX W020
XX Lenti
KW Gene
XX W020
XX Lenti
KW M2
XX Lenti
KW W2
XX L
RESULT 122
ADQ90612/c
ID ADQ906
XX
AC ADQ906
XX
DT 21-OCT
XX
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ś
                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present invention describes a lentiviral vector comprising a nucleotide sequence encoding a small interference RNA (siRNA). Also described is a method of reducing expression of a target gene in a cell comprising: (a) introducing into the cell alentiviral vector encoding a siRNA specific for the gene; and (b) placing the cell under conditions, where the siRNA specific for the gene is expressed to cause a detectable decrease in expression of the gene. The siRNA has cytostatic and virucide activities, and can be used in gene therapy. The vector is useful for reducing expression of a target gene in a cell. The present sequence represents a Sca-2 siRNA duplex oligonucleotide, which is used in an
                              21-OCT-2004
                                                                                ADQ90612;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         example from the
                                                                                                                                     ADQ90612
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The present invention describes a lentiviral vector comprising
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New lentiviral vector comprising a nucleotide sequence encoding a interference RNA, useful for reducing expression of a target gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mus musculus.
Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2004-562155/54.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Chang L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       17-JAN-2003; 2003US-0440987P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              05-AUG-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sca-2 siRNA duplex sense oligonucleotide SEQ ID NO:8.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADQ90611 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (UYFL ) UNIV FLORIDA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15-JAN-2004; 2004WO-US001320
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO2004065549-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              gene therapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              lentiviral vector; small interference RNA; siRNA; cytostatic; virucide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21-OCT-2004
                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                           739
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                739
                                                                                                                                                                                                                                                                                                                                                                                16;
                                                                                                                                                                                                                                                                        4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9
                                                                                                                                                                                                                                                                                                          CCTTCTGCAACTTCAG 754
                                                                                                                                   standard;
                                                                                                                                                                                                                                                                      CCTTCTGCAACTTCAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CCTTCTGCAACTTCAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Не J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQ ID NO 8; Slpp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BP; 3 A; 7 C; 3 G; 8 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                             Conservative
                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sca-2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      present invention.
                                                                                                                                   DNA;
                                                                                                                                                                                                                                                                                                                                                                                                0.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                88.
                                                                                                                                     21
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                                                                                                                                                                                                                                                                      19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          754
                                                                                                                                   ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ВP
                                                                                                                                                                                                                                                                                                                                                                          0,
                                                                                                                                                                                                                                                                                                                                                                                                   Score 16; DB 1; I
Pred. No. 1.1e+02;
                                                                                                                                                                                                                                                                                                                                                                             Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                            Length 21;
                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                       0;
                                                                                                                                                                                                                                                                                                                                                                    Gaps
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in a
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RESULT 123
AAT85565/c
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Best Local S
Matches 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                              The present invention describes a lentiviral vector comprising a nucleotide sequence encoding a small interference RNA (siRNA). Also described is a method of reducing expression of a target gene in a cell comprising: (a) introducing into the cell a lentiviral vector encoding a siRNA specific for the gene, and (b) placing the cell under conditions, where the siRNA specific for the gene is expressed to cause a detectable decrease in expression of the gene. The siRNA has cytostatic and virucide reducing expression of a target gene therapy. The vector is useful for reducing expression of a target gene in a cell. The present sequence represents a Sca-2 siRNA duplex oligonucleotide, which is used in an example from the present invention.
                                                                                                   Autosomal dominant early-onset Alzheimer's Disease; AD4 gene; STM2; neurodegeneration; senile dementia; human chromosome 1; Volga German kindred; VG; reverse transcription; PCR primer; polymerase chain reaction; Homo sapiens; diagnosis; detection;
                                                                                                                                                                          Human STM2 exon 10
                                                               Synthetic
                                                                                                                                                                                                      11-NOV-1997
                                                                                                                                                                                                                                  AAT85565;
                                                                                                                                                                                                                                                          AAT85565
                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 21 BP; 6 A; 3 C; 7 G; 5 T; 0 U; 0 Other;
                                                                                         polymorphism;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New lentiviral vector comprising a nucleotide sequence encoding a interference RNA, useful for reducing expression of a target gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2004-562155/54.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Chang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         05-AUG-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (UYFL ) UNIV FLORIDA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  17-JAN-2003; 2003US-0440987P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              15-JAN-2004; 2004WO-US001320.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO2004065549-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mus musculus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sca-2 siRNA duplex antisense oligonucleotide SEQ ID NO:9.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 lentiviral vector; small interference RNA; siRNA; cytostatic; virucide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    therapy;
                                                                                                                                                                                                                                                                                                                                              739 CCTTCTGCAACTTCAG 754
                                                                                                                                                                                                                                                                                                                              16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ۲
                                                                                                                                                                                                                                                                                                                                                                                  16; Conserv
                                                                                                                                                                                                                                                            standard; DNA; 19
                                                                                                                                                                                                                                                                                                                             CCTTCTGCAACTTCAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQ ID NO 9; 51pp; English.
                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                         alternative splicing;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sca-2; 88.
                                                                                                                                                                        RT-PCR primer EX102R.
                                                                                                                                                                                                                                                                                                                                                                                             0.7%;
                                                                                                                                                                                                                                                             ВÞ
                                                                                                                                                                                                                                                                                                                                                                                  0,
                                                                                                                                                                                                                                                                                                                                                                                               Score 16;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                             DB 1; I
. 1.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                   0
                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                            21;
                                                                                                                                                                                                                                                                                                                                                                                0
                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         small
in a
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30-JAN-1997.

WO9703192-A2

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RESULT 124
AAV43852
ID AAV438
XX AAV438
XX APC mx
XX APC; PX
XX APC; PX
XX APC; PX
XX APC; PX
XX APC PX
XX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A genetically isolated group of families with autosomal dominant early-
conset Alzheimer's Disease (AD) has been studied and initial mapping
canalyses have predicted the AD4 locus (also known as STM2) resides on
chromosome 1. The group of families has been designated the Volga German
(Vo) kindreds. The entire gene has been amplified from Vo individuals and
cunaffected individuals (from Vo and unrelated lineages). Sequence
canalysis has shown that affected individuals have a nucleotide change at
codon 141 resulting in an amino acid alteration from Asn to Ile. In a
cuntry of the expression pattern of STM2, two alternative sequences were
current ified which resulted from alternative splicing of exon 10. Both
curanscripts were present in RT-PCR products from a lymphoblastoid cell
cunner using primers EXIO31 and EXIO2R (see ANT85564 and ANT85565) from
current pand 10, respectively. Both transcripts were also found in
current pand and skeletal muscle. One foetal brain library contained both
current pand and skeletal muscle. One foetal brain library contained only the longer transcript. A foreskin fibroblast
current pand 10 the shorter transcript.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local S
Matches 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       07-JUL-1995;
28-JUL-1995;
11-AUG-1995;
14-AUG-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New Alzheimer's disease related gene, AD4 - used to develop prods. for detecting pre-disposition to or for diagnosis, prevention or treatment of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 9; Page 55;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAV43852 standard; DNA; 19 BP
                                                                                 06-AUG-1998.
                                                                                                                                                                                                                                                                                                                                                  APC mutant gene evaluating primer 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAV43852;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 1997-119048/11.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Levy-Lahad |
Mulligan J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GEHO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  05-JUL-1996;
                            21-JAN-1998;
                                                                                                                                       WO9833940-A1
                                                                                                                                                                                                                   Synthetic.
                                                                                                                                                                                                                                                                      APC; human;
PCR primer;
                                                                                                                                                                                                                                                                                                                                                                                                              26-OCT-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (DARW-)
                                                                                                                                                                                       domo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1842 CCAAGGGGAGGAGTTGGAG 1860
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 Similarity
17; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DARWIN MOLECULAR CORP
VA MEDICAL CENT.
GEN HOSPITAL CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  19
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                                                                                                                                                                                                                                                                      colorectal cancer; CRC; missense mutation; Ashkenazi Jew; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BP; 1 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                , Tanzi RE,
Galas DJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       95US-0000956P.
95US-0001675P.
95US-0002174P.
95US-0002328P.
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                               98WO-US000961
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.7%;
89.5%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 15.8; DB 1;
Pred. No. 1.2e+02;
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RESULT 125
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Best Local S
Matches 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    This primer is used for evaluating the stability of the (A)8 repeat embodying the II307K mutation of the APC gene by PCR amplification. This used for exemplifying the method of the invention of detecting a mutation in APC gene. The method uses an allele-specific nucleic acid probe which comprises a nucleic acid sequence of a region of a human mutant APC or its ribonucleotide equivalent, where the region contains T to A transversion at nucleotide equivalent, method is used for the transity the presence in a proband of a mutation in APC which is associated with a family history of colorectal cancer (CRC) especially among Ashkenazi Jews
                                          Collection of binding groups especially clinical samples, all members of the family of
                                                                                                                                                                                                                                                                                                          Binding
                                                                                                                                                                                                                                                                                                                                   HIV-1 related binding molecule oligonucleotide sequence SEQ ID NO:290.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Detection of mutation in nucleotide 3920, useful f
                                significance.
                                                                                                                                                                                        20-JUL-2000; 2000EP-00202611.
                                                                                                                                                                                                                                      EP1174518-A1
                                                                                                                                                                                                                                                            Synthetic.
                                                                                                                                                                                                                                                                         Human immunodeficiency virus 1.
                                                                                                                                                                                                                                                                                                                                                            22-MAY-2002
                                                                                                                                                                                                                                                                                                                                                                                   ABL89068;
                                                                                                                                                                                                                                                                                                                                                                                                          ABL89068 standard;
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                                                                                                                  Loukachov
                                                                                                                                                                20-JUL-2000; 2000EP-00202611.
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                                                                                                                                                                                                                                                                                             molecule; HIV-1; human immunodeficiency virus transcriptase; binding group; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Similarity
                                                                                                                                          AMSTERDAM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AGCTGACCTAGTTCCAATC 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BP; 5 A; 6 C; 3 G; 5 T;
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                                                                                                                                                                                                                                                                                                                                                           (first entry)
                                                                                                                 Van Gemen
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                                                                                                                                          SUPPORT DIAGNOSTICS
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                                           for determining or typing samples has groups capable to identify ess nucleic acids of relatively high
                                                                                                                  Goudemit J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 15.8;
Pred. No. 1
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Mismatches
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                                                                                                                                          B۷
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0 Other;
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Disclosure; Page 77; 166pp; English

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RESULT 126
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The present invention describes a collection of binding groups for a family of nucleic acids comprising members of relative high and relative low significance, where the binding groups are selected to be capable to identify, alone or in combination, essentially all members of the family of nucleic acids of relatively high significance. The collection of binding groups is useful for typing of nucleic acid in a clinical sample, by contacting the nucleic acid with the collection and determining whether one or more binding groups bound to the nucleic acid of the sample. This method is useful for determining whether the sample
                                                                                                                                                                                                                                                                                                                 Disclosure;
                                                                                                                                                                                                                                                                                                                                                                                                  Collection of binding groups for determining or typing samples especially clinical samples, has groups capable to identify estable members of the family of nucleic acids of relatively high
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Loukachov
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Binding molecule; HIV-
reverse transcriptase;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HIV-1 related binding molecule oligonucleotide sequence SEQ ID
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1543 TAAGAAGGAAAAAGTCAGT 1561
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AMSTERDAM SUPPORT DIAGNOSTICS BV.
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                                                                                                                                                                                                                                                                                                              78; 166pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HIV-1; human immunodeficiency virus type tase; binding group; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A; 1 C; 3
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Pred.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   G; 3 T;
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No. 1.
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RESULT 127
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The invention discloses a method for increasing the expression of CC costimulatory molecules, such as CD40, and major histocompatibility CC complex (MHC) class I and class II antigens in tumour cells in vitro. The CC method comprises contacting the tumour cells with deacetylase inhibitor CC (DAI). Thmourogenesis is related, in part, to the failure of the immune CC system to reject spontaneously arising tumours by responding CC appropriately to tumour antigens. Induction of T lymphocytes is CC considered to be a critical initial step and T cell activation requires CC MHC class I and II proteins. The increased expression of these molecules increases the immunogenicity of tumours and their susceptibility to CC lysis. The inhibitors of deacetylation, at low concentrations, produce CC little or no apoptosis and maintain a normal cell cycle. The expression CC presentation and cell lysis on cells is induced. The DAIS are preferably trichostatin A (TSA) or sodium butyrate. The sequence presented is a real clime PCR primer used to detect expression levels of the mouse CD40 gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local S
Matches 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mouse; ss; PCR; primer; real-time PCR; costimulatory molecule; CD40; major histocompatibility complex; MHC; class I; dass II; antigen; tumour; deacetylase inhibitor; DAI; tumourogenesis; immune system; T lymphocyte; T cell activation; immunogenicity; antigen presentation; cell lysis; trichostatin A; TSA; sodium butyrate; cytostatic; CD40.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      comprises at least a part of a member of relatively high significance a family of nucleic acids. The collection of binding groups is useful diagnosing the severity of a disease caused by a pathogen containing a member of a family of nucleic acids. ABL88779 to ABL89321 represent oligonucleotide sequences used in the exemplification of the present
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29-JUL-1999;
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17; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    expression of gene in tumor cells in vitro comprises tumor cells with deacetylase inhibitor.
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99US-0146275P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DNA;
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Pred. No. 1.2e
0; Mismatches
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. 1.2e+02;
2;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                a
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RESULT 128
AAV44694/c
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                                                                               This sequence is an antisense inhibitor of the DNA encoding the V247T CC variant of human alpha7 nicotinic acetylcholine receptor (nAchR) subunit of the invention. Cells containing the DNA are used to express the CC protein and to identify modulators of alpha7 nAchR activity or CC cytoprotective agents, e.g. antisense compounds or antagonists that are contentially useful for treating neurodegeneration, enzyme dysfunction, CC affective disorders and immune dysfunction, such as cancer, post-herpetic CC neuralgia, diabetic neuropathy, osteoarthritis, Alzheimer's or CC Parkinson's diseases, kuru, psychosis and schizophrenia. Probes based on CC the DNA are used to detect the DNA in usual hybridisation or the DNA are used to detect the DNA in usual hybridisation or CC compared with wild-type alpha7 nAchR, the protein has about 100-fold CC greater sensitivity to cholinergic receptor agonists (nicotine or CC acetylcholine) and response to these agonists decays more slowly, but the wild-type inward rectification is retained
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
Matches 17; Conserv
Query Match 0.7%;
Best Local Similarity 89.5%;
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                               Briggs CA, G
                                                          Sequence 20
                                                                                                                                                                                                                                                                                                                                   Example 7; Page 30; 44pp; English.
                                                                                                                                                                                                                                                                                                                                                            Nucleic acid encoding variant of human alpha 7 nicotinic acetyl-choline receptor sub-unit - used to identify modulators of the receptor, potentially useful for treating neuro-degeneration, cancer etc.
                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 1998-377593/32.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       22-DEC-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     02-JUL-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          09-OCT-1998
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20-DEC-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO9828331-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     schizophrenia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Alpha7 nAChR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             V274T variant
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (ABBO ) ABBOTT LAB.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Alpha7 nAChR; alpha7 nicotinic acetylcholine receptor subunit; cancer; neurodegeneration; enzyme dysfunction; affective disorder; therapy; immune dysfunction; diabetic neuropathy; Alzheimer's disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1999 GCAATGACACCCTGCAGGG 2017
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gopalakrishnan
, Touma E;
                                                         BP; 3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            human alpha7 nAChR antisense sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            96US-00771737
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        entry)
                                                         7 C; 6 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       6
C;
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               Score 15.8;
Pred. No. 1.
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Pred. No. 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mckenna DG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       T; 0 U;
                .2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2e+02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0 Other;
                            DB 1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Monteggia LM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ۲,
                            Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 19;
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   Indels
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 Gaps
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                                                                                                                                                                                                                                                               RESULT 129
AAX38483
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                                                                                                                     AAA29835
                                                                                                                                RESULT 130
                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 17; Conserv
Human; jun N-terminal kinase kinase-2; JKK-2; modulation; tumour;
antiinflammatory; cytostatic; antiinfectious; infection; inflammation;
                                  Human jun N-terminal kinase kinase-2 antisense oligonucleotide #20
                                                                                                         AAA29835 standard; DNA; 20
                                                                                                                                                                                                                                                              Sequence 20 BP;
                                                                                                                                                                                                                                                                                                nucleotides complementary to the ribonucleotide reductase gene or the secA gene of a microorganism. The antisense oligonucleotides are used treat mammalian pathological conditions mediated by microorganisms. The oligonucleotides are particularly useful as antimicrobial agents in cr
                                                                                                                                                                                                                                                                                                                                               This invention describes novel antisense oligonucleotides X38552) which are nuclease resistant, and comprises about
                                                                                                                                                                                                                                                                                                                                                                                  Disclosure; Page 24; 103pp; English
                                                                                                                                                                                                                                                                                                                                                                                                         New oligonucleotides complementary to RR inhibit growth of microorganisms.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Wright JA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO9902673-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Microorganism inhibitor; antisense; nuclease resistant; treatment; ribonucleotide reductase; secA gene; pathological condition; R1 su antimicrobial agent; crop protection; primer; R2 subunit; ss.
                                                                                                                                                                                                                                                                                       protection
                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1999-120874/10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         10-JUL-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Escherichia coli.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               E. coli SecA antisense oligonucleotide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GENE-) GENESENSE TECHNOLOGIES
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                                                                                                                                                                                         AGCACAAGACCAAGTTCGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    standard;
                                                                                                                                                                   AGCACCAGACCACGTTCGG
                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Young AH,
                                                          (first entry)
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                                                                                                                                                                                                                          0.7%;
                                                                                                                                                                                                                                                               8 C; 5 G; 2 T;
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                                                                                                                                                                                         1363
                                                                                                                                                                   20
                                                                                                                                                                                                                            Score 15.8; DB 1;
Pred. No. 1.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      837
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                                                                                                                                                                                                                  Mismatches
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U;
                                                                                                                                                                                                                                                               0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                     or SecA genes - useful to
                                                                                                                                                                                                                                        1;
                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                         20;
                                                                                                                                                                                                                                                                                                                                                             (AAX38301-
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            R1 subunit;
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RESULT 131
AAA29834
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Best Local S
Matches 17
                                                                                Human; jun N-terminal kinase kinase-2; JKK-2; modulation; tumour; antiinflammatory; cytostatic; antiinfectious; infection; inflamma detection; antisense therapy; phosphorothiaote; ss.
                                                                                                                                                                                                                                                                                                                                                                                                       The present invention describes an antisense compound (I) of 8-30 nucleobases, specifically hybridising to, and inhibiting expression of, human jun N-terminal kinase kinase-2 (JKK-2). Also described is a method of inhibiting the expression of human JKK-2 in human cells or tissues, comprising contacting the cells or tissues, with (I), in vitro. (I) has antiinflammatory, cytostatic and antiinfectious activities. (I) is useful for inhibiting the expression of JKK-2 in human cells or tissues and prevents or delays infection, inflammation or tunour formation associated levels of JKK-2 in a sample. The present sequence represents a phosphorothioate antisense oligonucleotide for human JKK-2, from the
                          modified_base
                                                               Homo sapiens
                                                                                                                                        Human jun N-terminal
                                                                                                                                                                  25-AUG-2000
                                                                                                                                                                                           AAA29834;
                                                                                                                                                                                                                 AAA29834 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                               Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 3; Col 40; 31pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Antisense compound specifically hybridizing and inhibiting the expression of human Jun N-terminal kinase kinase-2 is useful for treating infection,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Key
modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          inflammation and tumor.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     detection; antisense therapy; phosphorothiaote; ss
                                                                                                                                                                                                                                                                                             2043 TGCAGGGAGGATGCCGCCA 2061
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                                                                                                                                                                                                                                                                                                                                          Similarity
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                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                              BP; 4 A;
                                                                                                                                                              (first entry)
                                      Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   99US-00344001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             99US-00344001
   /note=
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                kinase kinase-2 antisense oligonucleotide
                                                                                                                                                                                                                                                                                                                                         0.7%;
                                                                                                                                                                                                                                                                                                                                                                          7 C; 7 G; 2 T;
"Phosphorothioate linkages"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Phosphorothioate linkages"
                                                                                                                                                                                                                 ВP
                                                                                                                                                                                                                                                                                                                            0;
                                                                                                                                                                                                                                                                                                                                        Score 15.8;
Pred. No. 1
                                                                                                                                                                                                                                                                                                                            Mismatches
                                                                                                                                                                                                                                                                                                                                                                          0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                    DB 1;
                                                                                                                                                                                                                                                                                                                                                 Length 20;
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RESULT 132
ABI94517/c
ID ABI945
XX ABI945
XX ABI945
XX Laptur
XX Laptur
XX Human;
KW ligase
KW ligase
KW enviro
OX Synthe
PN WO2001
XX WO2001
XX WO2001
XX WO2001
XX PA 04-APR
XX PA (CORR
ABI945
ABI9
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Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                          Human; K-ras; PCR primer; probe; capture probe; mutation detection; ligase detection reaction; LDR; p53; BRCA1; BRCA2; infectious diseatinfection; 21 hydroxylase deficiency; Turner Syndrome; obesity; can oncogene; tumour suppressor; human papillomavirus; forensic;
                                                                               14-APR-2000; 2000US-0197271P.
                                                                                                                                       04-APR-2001; 2001WO-US010958.
                                                                                                                                                                                               25-OCT-2001
                                                                                                                                                                                                                                                                                                            Synthetic
                                                                                                                                                                                                                                                                                                                                                   environmental monitoring; food industry; feed industry; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present invention describes an antisense compound (I) of 8-30 nucleobases, specifically hybridising to, and inhibiting expression of, human jun N-terminal kinase kinase-2 (JKK-2). Also described is a method of inhibiting the expression of human JKK-2 in human cells or tissues, comprising contacting the cells or tissues, with (I), in vitro. (I) has antiinflammatory, cytostatic and antiinfectious activities. (I) is useful for inhibiting the expression of JKK-2 in human cells or tissues and prevents or delays infection, inflammation or tumour formation associated with altered expression of JKK-2. (I) is also useful for detecting the levels of JKK-2 in a sample. The present sequence represents a phosphorothicate antisense oligonucleotide for human JKK-2, from the
                                                                                                                                                                                                                                                    WO200179548-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Capture oligonucleptide Zip ID#1604 oligo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            16-FEB-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABI94517 standard; DNA; 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Antisense compound specifically hybridizing and inhibiting the of human Jun N-terminal kinase kinase-2 is useful for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            inflammation and tumor.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           25-APR-2000.
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                          FOUND INC
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Pred. No. 1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                     infectious disease;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CC (I) have melting temperatures within a narrow range. The method is useful CC for detecting infectious diseases caused by bacterial infectious agents CC e.g. Salmonella, Listeria monocytogenes and Haemophilus influenza, fungal CC infectious agents e.g. Cryptococcus neoformans, Candida albicans and CC Aspergillus fumigautus, viruses e.g. T-cell lymphocytotrophis cirus, CC Epstein-Barr virus and polio virus, and parasitic infectious agents CC estected from Onchoverva volvulus, Entamoeba histolytica and Dracunculus CC medinesis. The method is also useful for detecting genetic diseases such CC as 21 hydroxylase deficiency, Turner Syndrome and obesity defects. CC Detecting cancer involving oncogenes, tumour suppressor genes, or genes CC involved in DNA amplification, replication, recombination or repair, the CC cancer is specifically associated with a gene selected from BRCA1 gene, CC method is also used for environmental monitoring, forensics and the food and feed industry, detecting comprises scanning (using e.g. a scanning CC particular sites and infrared microscope) the support at the CC gets occurred and correlating (using a computer) identified probe Sets occurred and correlating (using a computer) dentified ligation to a presence or absence of the target nucleotide sequences. ABIS2074 to Of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
Matches 17; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention describes a method (M1) for designing capture oligonucleotide probes (I) for use on a support to which complementary oligonucleotide probes (II) will hybridise with little mismatch, where (I) have melting temperatures within a new control of the median control of 
                                                                                                                                                                                                                                                                                                                                                                                                                                Antisense oligonucleotide; cytostatic; immunosuppressive; antiinflammatory; gene therapy; hyperproliferative disorder; cancer; autoimmune; inflammatory disorder; inhibitor-kappa B kinase-gamma; ss;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
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modified_base
                                                                                                          modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   invention
                                                                                                                                        methylcytosine"
                                                                                                                                                                                                                          /*tag=
                                                                                                                                                                                                                                                                                       Location/Qualifiers
/mod_base= OTHER
/note= "2'-methoxyethyl (2'-MOE)
l6. .20
                                                                                                                                                                    _base= OTHER
e= "Phosphorothioate linkages,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8 C; 3 G; 4 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.7%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Mismatches
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Pred. No. 1.2e+02
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 1;
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                              nucleotides"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                       all cytosines
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RESULT 134
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
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Best Local (
                                                                                                                                                                                                                     Oestrogen receptor beta; ERSB; steroid hormone; female sexual maturat bone maintenance; cardiovascular system; ER beta; oestrogen receptor ERS2; Alzheimer's; uterine lelomyomata; cytostatic; kidney neoplasm;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New compound having sequence targeted to nucleic acid encoding inhibitor-kappa B kinase-gamma, useful for preparing composition for treating e.g., cancer, or inflammatory or autoimmune disorder.
                                                                                         Chimeric - Homo
                                                                                                                                                                                   cellular proliferation;
                                                                                                                                                                                                                                                                                                                                                                                                    Chimeric antisense oligonucleotide ISIS 192387
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  06-NOV-2003
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/note= "2'-methoxyethyl (2'-MOE) nucleotides"
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Pred. No. 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              No.
                                                                                                                                                                                   antisense; chimeric
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   .2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 1; Length 20
                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                   female sexual maturation;
                                                                                                                                                                                                                                                                                                                                                                                                             inhibit human
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Best Local S
Matches 17
06-JUN-2002;
                                  05-JUN-2003; 2003WO-US017626
                                                                                                                                                                           Corn; plant; transformable; introgression; chromosomal locus; bin 6.02-6.04; bin 10.04-10.06; bin 1.03-1.06; bin 1.08-1.11; bin 3.05-3.07; corn seed; plant breeding; transgenic plant; chromosome SSR marker; marker assisted breeding; PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                 01-JUL-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cardiovascular system. This hormone receptor, ERSB (also known as ER beta, cestrogen receptor 2 and ERS2) has been mapped to chromosome 14g22-g24, a region known to be associated with early onset of Alzheimer's disease, uterine leiomyomata and neoplasms of the kidney. Furthermore, ERSB has been localised to metastatic cells indicating an involvement in cellular proliferation. Accordingly, the selective inhibition of ERSB by the cytostatic antisense oligonucleotides of this invention could provide a therapeutic target for the treatment of cancer, as well as other ERSB-related disorders. This oligonucleotide sequence is the chimeric human antisense oligo used to inhibit expression of human ERSB, the aim of the invention. Note that it has two terminal five nucleotide 2'-methoxyethyl (2'-MOE) wings separated by a ten deoxynucleotide gap. The oligonucleotide backbone is phosphorothioate throughout
                                                                                                                                                                                                                                                                            Corn chromosome 6 SSR
                                                                                                                                                                                                                                                                                                                                                     ADN61692
                                                                                                                                                                                                                                                                                                                                                                                      ADN61692 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               This invention relates to a novel antisense compounds that modulate the expression of osstrogen receptor beta (ERRS). Osstrogen is a steroid hormone that exerts a wide range of effects throughout the human body being primarily involved in female sexual maturation. Additionally, however, osstrogen targets male reproductive tissues, is known to be important in bone maintenance and plays a protective role in the
                                                                                                            WO2003103377-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 20 BP; 4 A; 4 C; 9 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New antisense oligonucleotides for modulating estrogen receptor beta gene expression, particularly useful for treating cancers, specifically leiomyoma, pancreatic cancer, prostate cancer, breast cancer, bone cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 3; Page 81; 160pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Dobie KW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             07-DEC-2001; 2001US-00005058
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  06-DEC-2002; 2002WO-US039200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1316 CATGGAGGCCCTGGTGAAG 1334
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 Similarity
17; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CATGGAGGCCTCGGTGAAG 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Roach MP,
 2002US-0386522P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.7%;
                                                                                                                                                                                                                                                                        marker nc009 6.03 PCR primer 2 SEQ
                                                                                                                                                                                                                                                                                                                                                                                      дB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      <u>.</u>.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 15.8;
Pred. No. 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 1; Length 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                          ID:22
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RESULT 136
ADTO0517
ID ADTO05
XX ADTO05
XX LYCOSI
KW LYCOSI
KW CUMOUZ
KW GUCY2F
KW GUC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The invention relates to a method of producing a transformable corn line by introgressing at least one chromosomal locus mapping to bin 6.02-6.04 or bin 10.04-10.06, where the locus is introgressed from a more transformable corn line into a less transformable corn line. The CC invention also relates to corn variety 178-187-20 seed (ATCC accession cc no. PTA-5183) and corn variety 178-74-25 seed (ATCC accession no. PTA-6183) and corn variety 178-74-25 seed (ATCC accession no. PTA-6183) progeny of a plant grown from the seed cited above, where the CC progeny comprises loci mapping to chromosomal bins 1.03-1.06, 1.08-1.11, cc progeny cited above; and hybrid corn seed and plants produced by the progeny cited above; and hybrid corn seed and plants corn transformable lines are typically agronomically poor, while lines with superior or desired agronomic traits tend to be less transformable, the methods of the invention provide a means of testing for the effects of an introduced gene on traits such as yield, kernel quality and plant CC phenotype in earlier plant generations in a breeding programme. Sequences abuse to amplify corn SSR markers useful in marker assisted breeding.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
Matches 17; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         tyrosine kinase; cancer; anti-cancer agent; signalling molecule; tumourigenesis; somatic alteration; colorectal cancer; NTRK3; FE GUCY2F; MCCK; MLK4; kinase domain; cytostatic; tyrosine kinase i
                                                                                                                               21-FEB-2003;
29-MAY-2003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  guanylate cyclase stimulator; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Novel mutant
                                                                   AIND (OPAD)
                                                                                                                                                                                                                          18-FEB-2004;
                                                                                                                                                                                                                                                                                             30-SEP-2004
                                                                                                                                                                                                                                                                                                                                                         WO2004082458-A2
                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               16-DEC-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADT00517;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADT00517 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 20 BP; 1 A; 11 C; 0 G; 8 T; 0 U;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Producing a transformable corn line comprises introgressing at least one chromosomal locus mapping to bin 6.02-6.04 or 10.04-10.06, where the locus is introgressed from a more transformable corn line into a less transformable corn line.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (MONS ) MONSANTO TECHNOLOGY LLC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1641 CCTCTCTTCTTCCCTTCCT 1659
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      r
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CCTCTCTTCACCCCTTCCT 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                   JOHNS HOPKINS
                                                                                                                               2003US-0448537P.
2003US-0473895P.
                                                                                                                                                                                                                          2004WO-US004452
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         protein tyrosine kinase-related oligonucleotide SeqID505.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ID NO 22; 77pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 15.8;
Pred. No. 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 1; Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
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Parsons W,

Velculescu

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Kinzler KW,

Vogelstein

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RESULT 137
AAZ92695/c
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Best Local S
Matches 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   This invention relates to a novel activated mutant protein tyrosine kinases and associated methods for diagnosing cancer and screening for anti-cancer agents. Protein kinases are signalling molecules involved in tumourigenesis. Mutational analysis of the human tyrosine kinase gene family identified somatic alteration sin 1 in 5 colorectal cancers, with the majority of mutations occurring in the NTRK3, FES, GUCY2F and MCCK/MIK4 genes. Most were identified in the kinase domain. The invention may be useful for the production of compounds with a cytostatic activity acting as protein tyrosine kinase inhibitors or guanylate cyclase stimulators. The invention may be useful for developing methods for detecting mutations involved in cancer or screening for anti-cancer agents. The present sequence is that of a human-derived oligonucleotide which is related to the invention.
                                                                                                                                                                                                                                                                                                                                                                 CCR2; C-C chemokine receptor-2; human; promoter; SNP; single nucleotide polymorphism; detection; diagnostic; disease susceptibility; cardiovascular disease; inflammatory disease; rheumatoid arthritis; PCR primer; ss.
                                                    Diagnosing chemokine receptor allele-2 polymorphisms for diagnosing rheumatoid arthritis and cardiovascular disease comprises determining sequence of the allele or its promoter at specified positions.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 20 BP; 6 A; 5 C; 5 G; 4 T; 0 U; 0 Other;
                          Example 2; Page 24; 35pp; English
                                                                                                                                                                                                      25-JUL-1998;
28-JAN-1999;
                                                                                                                                                                                                                                                                                                           WO200006769-A2
                                                                                                                                                                                                                                                                                                                                       Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                            Human CCR-2 promoter SNP (position 41768) constant PCR primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         05-JUN-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAZ92695 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2004-718702/70
                                                                                                                 WPI; 2000-205470/18
                                                                                                                                                                           (ZENE ) ZENECA LTD.
                                                                                                                                                                                                                                                 20-JUL-1999;
                                                                                                                                                                                                                                                                              10-FEB-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            associated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Activated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            221 GGCTTCAGCCATGAAGACC 239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GGCTTGAGCCATTAAGACC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         mutant protein tyrosine d methods for diagnosing
                                                                                                                                           Anand R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first
                                                                                                                                                                                                     98GB-00016193
99GB-00001844
                                                                                                                                                                                                                                                 99WO-GB002341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ŏ
                                                                                                                                              Morten JEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              505; 363pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ٥,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 15.8;
Pred. No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         kinases (e.g. NTRK3, cancer and screening
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                띪
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1; Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FES and MCCK) and for anti-cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0
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The invention relates to a novel method of diagnosing a single nucleotide

WO200118250-A2

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RESULT 138
AAF95623/c
ID AAF956
S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CC polymorphism (SNP) in the human C-C chemokine receptor-2 gene (CCR-2).

CC The method of the invention comprises determining the nucleic acid content of the invention comprises determining the nucleic acid the CCR-2 gene and/or its promoter sequence. In the coding region of the CCR-2 gene (EMBL U80294) polymorphisms at positions in the coding region of the cCCR-2 gene (EMBL U80294) polymorphisms at positions 2385 and 2649 are comprised are at positions 2385 and 2649 are complete received. While in the CCR-2 promoter sequence (EMBL U8026) the complete received are at positions 40915, 41047, 41058, 41507, 41768, 42401, 42598, 44873, 42723, 42874 and 43018. The invention calls related by relates to allele-specific primers and probes for detecting these comprising the diagnostic primers and probes for detecting these calls of treating a SNP in the CCR-2 gene and robes for detecting these comprising SNPs in the CCR-2 gene and is therefore useful in assessing the production and/or susceptibility of an individual to conditions comprising cCR-2 ligand mediated diseases in humans such as rheumatoid arthritis and cardiovascular diseases which are creating CCR-2 ligand mediated diseases in humans such as rheumatoid arthritis and cardiovascular diseases which are created to cardiovascular diseases in humans such as rheumatoid carthritis and other inflammatory diseases. The SNP identification method cartificaty of therapeutic compounds in the cCR-2 ligand mediator diseases and developing new drug decentaries to useful for assessing the efficacy of therapeutic compounds in the cCR analysis and other sub-groupings, haplotyping, genotyping, pharmacogenetic macleic acids are useful in characterising individuals in terms of computed acids are useful in the computer readable mediator diseases such as setulation may be used to determine the patient's susceptibility to treatment with particular conditions of the CCR-2 gene are useful as genetic markers in linkage studies. Processes such as characterising individuals in terms of 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
Matches 17; Conserv
                                                                                                                                                                                                                                          Human; variant thrombospondin 1; variant thrombospondin 4; SNP; polymorphism; vascular disease; coronary artery disease; forensics; myocardial infarction; atherosclerosis; stroke; venous thromboembolism;
                                                                                                                                                                                                                                                                                                                              Human gene single nucleotide polymorphism #384.
                                                                                                                                                                                                                                                                                                                                                                       18-NOV-2004
06-JUN-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 21 BP; 7 A; 6 C; 6 G; 2 T; 0 U; 0 Other;
                                                                                                                                                             Homo sapiens.
Unidentified.
                                                                                                                                                                                                                                                                                                                                                                                                                                    AAF95623;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAF95623 standard; DNA; 21 BP
                                                                                                   variation
                                                                                                                                                                                                                         pulmonary embolism; paternity test;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1208 GCTGGTGCCCTACTCCAAG 1226
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                     (revised)
(first en
                                                                                                     Location/Qualifiers
                                                     /standard_name= "Single nucleotide polymorphism"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.7%;
                                                                                                                                                                                                                                                                                                                                                                       entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 15.8; DB 1;
Pred. No. 1.1e+02;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            21;
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RESULT 139
AAS073902/c
ID AAS073
XX AAS073
AC AAS073
XX CPS1;
KW CPS1;
KW COYN C
XX COChli
XX W02001
XX W02001
XX W22-NOV
XX Z2-NOV
PR 23-NOV
XX CORR
XX CORR
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Best Local S
Matches 17
                                                                                                                                  WO200138489-A2
                                                                                                                                                                                     CPS1; peptide synthetase; peptide toxin; fungal pathogen; corn crop infection; ss; sequencing primer; FP5.
                                                                                                                                                                                                                                                                                             AAS07302;
                                                                                                                                                                                                                                                                                                                          AAS07302 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present invention provides a method of diagnosing a vascular disease in an individual, involving determining the sequence at various polymorphic sites within the human thrombospondin 1 and thrombospondin 4 genes. The sequences at a number of polymorphic sites are also provided in the specification. In particular, the method can be used in the diagnosis of atherosclerosis, myocardial infarction, coronary heart
                                            23-NOV-1999;
                                                                     22-NOV-2000; 2000WO-US032227.
                                                                                                                                                           Cochliobolus heterostrophus.
                                                                                                                                                                                                                                 CPS1/TES1 genomic DNA sequencing primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      disease, stroke, peripheral vascular diseases, venous thromboembolism and pulmonary embolism. Single nucleotide polymorphisms (SNPs) are also useful in forensics, paternity testing, genetic analysis and phenotype correlations to diseases. The present sequence is an example of one of the human gene SNPS shown in the specification
                                                                                                                                                                                                                                                                  12-SEP-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Nucleic acids comprising single nucleotide polymorphisms, useful in applications such as forensics, paternity testing, medicine, genetic analysis and phenotype correlations to diseases such as diabetes and atherosclerosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        10-SEP-1999; 99US-0153357P.
26-JUL-2000; 2000US-0220947P.
16-AUG-2000; 2000US-0225724P.
             (CORR ) CORNELL RES FOUND INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Revised record issued on 18-NOV-2004 : The variantion incorrectly given a captial {\tt V}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example; Page 75; 242pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2001-226749/23.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Lander
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    07-SEP-2000; 2000WO-US024503
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   15-MAR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (WHED ) WHITEHEAD INST BIOMEDICAL (MILL-) MILLENNIUM PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                             1187 CTTCTCCTCCGACACCTGG 1205
                                                                                                                                                                                                                                                                                                                                                                                                   19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Similarity
                                                                                                                                                                                                                                                                                                                                                                                               CTTCTCCTCGGGCACCTGG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BP; 5 A; 5 C; 9 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gargill M,
                                                                                                                                                                                                                                                                (first entry)
                                           99US-00448215
                                                                                                                                                                                                                                                                                                                          DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.7%;
                                                                                                                                                                                                                                                                                                                          21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ireland
                                                                                                                                                                                                                                                                                                                          ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                        0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 15.8;
Pred. No. 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   JS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Bolk S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1.1e+02
                                                                                                                                                                                                                                   FPS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        2;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            feature was
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mccarthy JJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       0;
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RESULT 140
ABS68426/c
ID ABS684
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local (
                                                                                                                                                                                                                                                                                                                                                 Fungal pathogen; peptide synthetase gene cluster; iron reductase; permease; major facilitator superfamily transporter; MFS transporter; anti-fungal agent; fungicide; pathogenic fungi; plant pathogen; CPS1; animal pathogen; fungal infection; wild grass; cereal; corn; mycocide; leaf spot maize; immunocompromised vertebrate; pneumonia; arthritis; miliary disease; bone infection; joint infection; skin disease; aesophagitis; vaginitis; onychomycosis; inflammation; urinary tract; kidney; liver; brain; gastrointestinal tract; lung; fungicidal; mycocidal; antiarthritic; antiinflammatory; dermatological; COA ligas;
                                                                                                            (SYGN )
(CORR )
(YODE/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The sequence represents a sequencing primer used to sequence a genomic clone from Cochilobolus heterostrophus which contains the CPS1 and TES1 peptide synthetase genes. CPS1 is an enzyme thought to be involved in the production of peptide toxins, which are involved in the pathogenic infection of corn crops. The nucleic acids and proteins can be used as targets for anti-fungal compounds to pervent fungal corn infection and the nucleic acids can be used in gene therapy to alter the biosynthetic pathway for the peptide toxins to lower the pathogenicity of the fungi
Nucleic acid molecules comprising fungal, e.g. Cochliobolus
                           WPI; 2002-666824/71
                                                      Yoder O,
                                                                                                                                                                    22-NOV-2000;
22-NOV-2000;
                                                                                                                                                                                                             21-NOV-2001; 2001WO-US043381
                                                                                                                                                                                                                                          30-MAY-2002.
                                                                                                                                                                                                                                                                                                            Cochliobolus
                                                                                                                                                                                                                                                                                                                                       sequencing;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequencing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          19-NOV-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABS68426;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABS68426 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 21 BP; 7 A; 4 C; 6 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New isolated nucleic acid molecule from a plant pathogen useful in preventing plant pathogenic infections.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 1; Page 54; 132pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Yoder OC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              510
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                                                                                  TURGEON B G.
                                                                                                                                        SYNGENTA PARTICIPATIONS
                                                                                                              CORNELL RES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATATTCTGCACTGATTGCT 528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATGTTCTGCACTGATCGCT
                                                      Turgeon BG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             primer #17 for fungal DNA flanking REMI insertion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Turgeon
                                                                                                                                                                                                                                                                                                                                       primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                    2000US-0252649P.
2000US-0252732P.
                                                                                                                                                                                                                                                                                                            heterostrophus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      89.5%;
                                                                                                                            FOUND INC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 15.8;
                                                                                                                                          AG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1.1e+02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                      CoA ligase;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0
                                                                                                                                                                                                                                                                                                                                                                                                                         mycocide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             site.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 141
ABN02029
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CC mycocides. Anti-fungal agents identified using the polynucleotide and CC polypeptide sequences of the invention, and antisense DNA are useful as CC fungicides to suppress the growth of pathogenic fungi. The fungal agent cC pathogens include plant pathogens such as Septoria trici, or Cochliobolus CC pathogens such as pathogens such as Septoria trici. Or Cochliobolus CC fungal agents are useful for treating fungal infections in plants such as CC wild grasses or cereals (e.g. corn). For example they can be used to CC treat a disease called leaf spot maize caused by the pathogen CC treating fungal infections of vertebrates, including immunocompromised CC treating fungal infections of vertebrates, including immunocompromised CC vertebrates, for e.g. pneumonia, arthritis, miliary disease, bone and CC joint infection, skin disease, aesophagitis, vaginitis, onychomycosis, CC and inflammation of the urinary tract, kidney, liver, brain, CC gastrointestinal tract and lung. ABS68410-ABS68443 represent sequencing crimars used to sequence C. heterostrophus DNA flanking the REMI vector incorrice after in the example of the argument invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local S
Matches 17
                                                                    04-OCT-2000;
30-JAN-2001;
30-JAN-2001;
                                                                                                                     26-MAY-2000;
21-SEP-2000;
27-SEP-2000;
                                                                                                                                                                                                                                                                                                                                    Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present invention relates to nucleic acid molecules comprising fungal, e.g. Cochliobolus heterostrophus, genes from a peptide synthetase gene cluster, encoding e.g. an iron reductase and/or a permease, or a major facilitator superfamily (MFS) transporter protein. The polymucleotides and polypeptides are useful for identifying a novel fungicidal or mycocidal mode of action which permits rapid discovery of novel inhibitors of gene products that are useful as fungicides or
                                                                                                                                                                                                                                                                                                    Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                            Human GDMLP-1 17-mer scanning SEQ ID NO:4 sequence SEQ ID NO:2021.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   heterostrophus, genes from a poidentifying anti-fungal agents pneumonia and arthritis.
                                   30-JAN-2001;
30-JAN-2001;
                                                                                                                                                                                                                                06-DEC-2001
                                                                                                                                                                                                                                                                 WO200192524-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                               29-MAY-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence
                                                                                                                                                                                           25-MAY-2001; 2001WO-US016981
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABN02029 standard;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                510 ATATTCTGCACTGATTGCT 528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ATGTTCTGCACTGATCGCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     site in the examples of the present invention
2000US-0207456P.
2000US-0234687P.
2000US-0236359P.
2000GB-00024263.
2001WO-US000661.
2001WO-US000663.
2001WO-US000664.
2001WO-US000664.
2001WO-US000666.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BP; 7 A; 4 C; 6 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   315pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 15.8;
Pred. No. 1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     peptide synthetase gene cluster, useful for treating fungal infections such as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BB
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RESULT 142 ABN02850

ABN02850 standard;

DNA;

17

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CCTCGGTGCCTTCTGCA 17

Query Match Best Local Similarity

0.6%;

Score 15.4; Pred. No. 1 Mismatches

.5e+02 DB 1;

Length Indels

0

Gaps

0

Matches

Conservative

<u>,</u>

731 16;

CCTGGGTGCCTTCTGCA 747

25-MAY-2001; 2001WO-US016981.

06-DEC-2001.

Homo sapiens **skeletal** 

muscle

chromosome 22; disorder; ampli

ne 22; gene amplicon;

screening;

Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart dieesee.

Human GDMLP-1 17-mer scanning SEQ ID NO:4 sequence

SEQ ID NO: 2842.

29-MAY-2002 ABN02850;

(first

entry)

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cc nucleic acids can be used as probes to detect, characterise and quantify condibing a nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hGDMLP-1 cc protein variants having desired phenotypic improvements, and for the expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP cc and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as ctherapeutic supplement in pattients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The polymucleotide sequences encoding hGDMLP-1 may be used for diagnosing a cdisorder associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22. The present sequence in the expression of the present invention. N.B. The sequence data for this pattent did not form part of the printed consistence of the particular heart in particular heart in sequence of the printed consistence of the printed consis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and nolumnological models are the protein and nolumnolo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ဝ
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30-JAN-2001; 2001WO-US000668
30-JAN-2001; 2001WO-US000669
30-JAN-2001; 2001WO-US000670.
05-FEB-2001; 2001US-0266860P.
Sequence 17 BP; 1 A; 7 C; 4 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure; SEQ ID NO 2021; 214pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2002-179446/23.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           rotein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-can be used in gene therapy and vaccine production. The hGDMLP-1
                                                                                                       ftp.wipo.int/pub/published_pct_sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ji Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Penn
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                                                                                                                                     ABK18894
                                                                                                                                                       RESULT 143
                                                                                                                                                                                                                                                                                                                                                                                   The present invention describes a human genome-derived myosin-like CC protein 1 (hgDMLP-1). The protein and polynucleotide sequences of hgDMLP-1 can be used in gene therapy and vaccine production. The hgDMLP-1 cc nucleic acids can be used as probes to detect, characterise and quantify cc provide initial substrates for the recombinant engineering of hgDMLP-1 cc protein variants having desired phenotypic improvements, and for cexpressing the proteins. The hgDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hgDMLP-1 proteins, as standards in assays used to determine the concentration cand/or amount specifically of hgDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser description ionisation, as therapeutic supplement in patients having specific deficiency in hgDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The concentration conditions as present sequences encoding hgbMLP-1 may be used for diagnosing a condition of the present sequence in the expression of hgDMLP-1, in particular heart can discreted with the expression of hgDMLP-1, in particular heart can discrete associated with the expression of the present sequence in the exemplification of the present general muscle disorders. hgDMLP-1 is localised to chromosome 22. The present sequence in the exemplification of the present servening of the specification, but was obtained in electronic format directly from WIPO at frem wino, inf/minhished not former format directly from WIPO
                                                                                                                                                                                                                                                                                             Query Match
Best Local
                                                                                                                                                                                                                                                                              Matches
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30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
         Human ERG DNAzyme target sequence Seq ID No 1541
                                               09-APR-2002
                                                                                    ABK18894;
                                                                                                                 ABK18894 standard; RNA; 17
                                                                                                                                                                                                                                                                                                                                              Sequence 17
                                                                                                                                                                                                                                                                                                                                                                          at ftp.wipo.int/pub/published_pct_sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; SEQ ID NO 2842; 214pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ပ်
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30-JAN-2001;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (AEOM-) AEOMICA INC.
                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                    1974 GGCCTCCAGGATGAGGA 1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2002-179446/23.
                                                                                                                                                                                                                                                                              16;
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                                                                                                                                                                                                         GGCCTCGAGGATGAGGA 17
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K
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                                                                                                                                                                                                                                                                            Conservative
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2001WO-US000661
2001WO-US000663
2001WO-US000663
2001WO-US000664
2001WO-US000666
2001WO-US000667
2001WO-US000667
2001WO-US000669
2001WO-US000669
                                             (first entry)
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2000US-0234687P.
2000US-0236359P.
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                                                                                                                                                                                                                                                                                         0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Hanzel DK,
                                                                                                                                                                                                                                                                           <u>,</u>
                                                                                                                                                                                                                                                                                         Score 15.4;
Pred. No. 1.
                                                                                                                                                                                                                                                                            Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Rank DR,
                                                                                                                                                                                                                                                                                         1.5e+02;
                                                                                                                                                                                                                                                                                                        DB 1; Length 17;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Shannon ME
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RESULT 144
ADB00305
ID ADB00305 standard; DNA; 17

ВP

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Matches Query Match

1072 AGAATGAAGTGTACAAG 1088

AGAAUGAAGUAUACAAG

17

Local

l Similarity
13; Conserv

Conservative

0.6%;

Score 15.4; D Pred. No. 1.5e 3; Mismatches

.5e+02 DB 1;

Length 17; Indels

0

0

Sequence 17 BP; 9 A; 1 C; 4 G; 0 T; 3 U; 0 Other;

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Weber syndrome, Kippel-Trenaunay-Weber syndrome, Osler-Weber-rendu CC syndrome, leukaemia, ostroporosis and wound healing. (I) is useful for treating a patient having a condition associated with the level of ERG, CC by contacting cells of the patient with (I) under conditions suitable for the treatment. The method comprises the use of one or more therapies CC under conditions suitable for the treatment. Leukaemia or tumour cangiogenesis is treated by administering (I) to the patient in CC conjunction with one or more of other therapies such as radiation or CC chemotherapy treatment. (I) is useful for reducing ERG activity in a CC cell, by contacting the cell with (I). (I) is useful for cleaving RNA of ERG gene, by contacting (I) with RNA, in the presence of a divalent cation such as Mg2+. (I) is useful for diagnosis of conditions and diseases related to the expression of ERG, and as diagnostic tool to cargeting genes that share homology with ERG gene or ERG fusion genes. ABK17354-ABK22719 represent nucleic acids, including antisense and can related PCR primers of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention relates to a nucleic acid molecule (I) which down regulates expression of an Ets-related gene (ERG). (I) is useful for treating conditions selected from cancer, lymphoma, Ewing's sarcoma, melanoma,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel polynucleotide which down regulates expression of Ets-related gene, useful for treating cancer, diabetic retinopathy, macular degeneration, arthritis, psoriasis, verruca vulgaris and Sturge Weber syndrome.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   vulgaris, angiofibroma of tuberous sclerosis, port-wine stains,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     neovascular glaucoma, myopic degeneration, arthritis, psoriasis, verruca
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        conditions selected from cancer, lymphoma, Ewing's sarcoma, melanoma, tumour angiogenesis, diabetic retinopathy, macular degeneration,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (RIBO-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               16-MAY-2000; 2000US-00572021
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ophthalmological; antiarthritic; antipsoriatic; virucide; osteopathic; vulnerary; cancer; lymphoma; Ewing's sarcoma; melanoma; psoriasis; tumour angiogenesis; diabetic retinopathy; macular degeneration; neovascular glaucoma; myopic degeneration; arthritis; verruca vulgaris; angiofibroma of tuberous sclerosis; port-wine stain; wound healing; sturge Weber syndrome; Kippel Trenaunay-Weber syndrome; leukaemia; ss;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           16-MAY-2001; 2001WO-US015866
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO200188124-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       22-NOV-2001.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Osler-Weber-rendu syndrome,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; hammerhead ribozyme; cytostatic; antitumour; antidiabetic;
                                         PCR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RIBOZYME PHARM INC. GLAXO GROUP LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Page
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Von Carlowitz I,
                                      primers of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            94; 149pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       leukaemia; osteoporosis; DNAzyme;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mcswiggen JA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mclaughlin F,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Randi AM,
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ABZ59890/c
ID ABZ598
XX ABZ598
AC ABZ598
XX DT 21-MAR
XX AUMAN
XX Human
XX Human;
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Best Local S
Matches 16
                                                                                                                                                                                                                                                                                                                                                                                        The present invention relates to novel human zinc finger-containing proteins and their coding sequences: MDZ3, MDZ4, MDZ7, MDZ12. MDZ3 is encoded at chromosome 7g22.1, MDZ4 is encoded at chromosome 6p21.3-22.2, MDZ7 is encoded at chromosome 16p11.2 and MDZ12 is encoded at chromosome 15g26.1. The MDZ3, MDZ4, MDZ7, and MDZ12 sequences are useful in therapy, or in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MDZ3, MDZ4, MDZ7, or MDZ12, e.g. cancer or developmental disorders. The nucleic acids and proteins are also useful for diagnosing or monitoring a disease caused by altered expression of MDZ3, MDZ4, MDZ7, or MDZ12. The nucleic acids can also be used as probes to detect and characterize gross alterations in MDZ3, MDZ4, MDZ7, or MDZ12 genetic locus. The probes are useful in constructing microarrays for measuring gene expression. The proteins are useful as therapeutic agents for gene therapy or as
Human; ribozyme; short interfering RNA; siRNA; HER2; K-Ras;
                                Human K-Ras DNAzyme substrate
                                                                                                                                                                                                                                                                                                                                              Sequence 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New zinc finger-containing proteins and nucleic acids, useful in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MDZ3,
                                                                  21-MAR-2003
                                                                                                  ABZ59890
                                                                                                                                  ABZ59890 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MDZ3; MDZ4; MDZ7; MDZ1; chromosome 7q22.1; chromosome 6p21.3-22.2; chromosome 16p11.2; chromosome 15q26.1; cancer; developmental disorder; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 8; SEQ ID NO 1291; 103pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           02-AUG-2001; 2001US-00922181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             30-JUL-2002; 2002EP-00016874
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human MDZ3 scanning oligonucleotide SEQ ID 1291.
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                                                                                                                                                                                                                                               841 TGAGGGAGTACCTGATG 857
                                                                                                                                                                                                                                                                                 16;
                                                                                                                                                                                                                                                                                                Similarity
                                                                                                                                                                                                              TGAGAGAGTACCTGATG
                                                                                                                                                                                                                                                                                                                                                                            The present sequence was used to illustrate the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           or MDZ12, e.g. cancer.
                                                                                                                                                                                                                                                                                                                                            BP; 5 A; 2 C; 6 G; 4 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                               Conservative
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                                                                  (first
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                                                                                                                                RNA;
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                                                                entry)
                                                                                                                                  17
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                                                                                                                                                                                                                                                                                            Score 15.4; DB 1;
Pred. No. 1.5e+02;
                                                                                                                                                                                                                                                                                 Mismatches
                                                                                                                                                                                                                                                                                                            1; Length 17;
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RESULT 146
ADF63855
ID ADF638
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Best Local S
Matches 16
                                                                                                                                         chromatin organisation modifier; CHROMO domain; prostate cancer candidate protein 1; tumour; gen
                                                                                                                                                                                   Human PCCP1 DNA fragment SEQ ID 8-directed probe - SEQ ID 1759.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                acid molecule of the invention has cytostatic, anti-HIV, and anti-rheumatic activity. The nucleic acid molecules are useful for reducing HER2, K-Ras, H-Ras, and HIV activity in a cell. The nucleic acids are also useful for treating breast, ovarian, colorectal, lung, prostate, bladder, or pancreatic cancer, and HIV infection, and AIDS. The sequences shown in ABZ59889 - ABZ62216, ABZ64544 - ABZ65531, ABZ66520 - ABZ6524, ABZ66530 - ABZ6585 represent substrate/target sequences for the human
                                         19-JUN-2003.
                                                                     WO2003050284-A1
                                                                                                Homo sapiens
                                                                                                                           human; ss; probe.
                                                                                                                                                                                                                                           ADF63855;
                                                                                                                                                                                                                                                                      ADF63855 standard; DNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 17 BP; 1 A; 6 C; 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    acid molecule or an enzymatic nucleic acid molecule, that modulates expression of a nucleic acid molecule encoding HER2, K-Ras, H-Ras, N-I human immunodeficiency virus (HIV) or a component of HIV. The nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 58; Page 85; 185pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel short interfering RNA and enzymatic nucleic acid useful for treating cancer, modulates the expression of a nucleic acid encod HER2, K-Ras, H-Ras, N-Ras, and human deficiency virus sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   29-MAY-2001; 2001US-0294140P.
06-JUN-2001; 2001US-0296249P.
10-SEP-2001; 2001US-0318471P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              enzymatic nucleic acid; H-Ras; N-Ras; HIV; cytostatic; anti-HIV; anti-rheumatic; cancer; AIDS; ss.
                                                                                                                                                                                                               12-FEB-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to a novel short interfering RNA (siRNA) nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2003-140484/13.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ribozymes of the invention
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                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                                                             17
                                                                                                                                                                                                                                                                                                                                                                     16 CGCCGCGGCTGCCGCCT 32
                                                                                                                                                                                                                                                                                                                                                                                                      16;
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                                                                                                                                                                                                                                                                                                                                                                                                 0.6%;
milarity 94.1%;
Conservative
                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         English.
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                                                                                                                                                                                                                                                                                                                                                                                                                  Score 15.4;
Pred. No. 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                             G; 0 T; 0 U;
                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                1.5e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                             0 Other;
                                                                                                                                         gene
                                                                                                                                         cytostatic;
ne therapy; v
                                                                                                                                                                                                                                                                                                                                                                                                                               Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                    Indels
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22-NOV-2002; 2002WO-US037506

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RESULT 147
RAPE383
ID ADP638
XX ADP638
XX ADP638
XX ADP638
XX Chroman
XX Chroman
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XX Chroman
XX Homo &
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Matches 16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention relates to a novel isolated nucleic acid that encodes a protein with a chromatin organisation modifier (CHROMO) domain. The polynucleotide of the invention demonstrates cytostatic activity and may be useful for preparing a composition for treating or preventing a disorder associated with decreased or increased expression or activity of PCCP1 (prostate cancer candidate protein 1), such as a tumour, as well as during gene therapy and vaccine production procedures. The current sequence is that of the human PCCP1-related DNA fragment SEQ ID 8-directed probe of the invention. Note: The current sequence is not shown within the specification per se but was retrieved from the WipoWeb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New prostate cancer candidate protein 1 (PCCP1), useful for prepari composition for treating or preventing a disorder associated with decreased or increased expression or activity of PCCP1 e.g., tumor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Guo
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                                                                                   New prostate cancer candidate protein 1 (PCCP1), useful for preparing composition for treating or preventing a disorder associated with decreased or increased expression or activity of PCCP1 e.g., tumor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human PCCP1 DNA fragment SEQ ID 8-directed probe - SEQ ID 1757
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADF63853;
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                                  Example
                                                                                                                                                                                                             WPI; 2003-532916/50.
                                                                                                                                                                                                                                                                                                                                   (AMSH )
                                                                                                                                                                                                                                                                                                                                                                                           10-DEC-2001; 2001US-0339764P
                                                                                                                                                                                                                                                                                                                                                                                                                                                   22-NOV-2002; 2002WO-US037506
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16; Conservative
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                                  SEQ
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                                  1757;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           modifier; CHROMO domain; cytostatic; PCCP1;
ate protein 1; tumour; gene therapy; vaccine;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   17
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Pred. No. 1
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RESULT 148
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Best Local S
Matches 16
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                                                                                                                                                                                        30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
                                                                                                                                                                                                                                                                26-MAY-2000;
21-SEP-2000;
27-SEP-2000;
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30-JAN-2001;
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                                                                                            (GUYY/)
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WPI; 2004-533378/51.
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                                                                                   (PENN/)
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-1 agonist hGDMLP antagonist; hGDMLP inhibit
al muscle function.
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CHEN W.
SHANNON M
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JI Y.
PENN S
HANZEL
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                                                                                                                           2001WO-US000667.
2001WO-US000668.
2001WO-US000669.
2001WO-US000670.
2001US-026860P.
2001US-00866108.
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2001WO-US000665.
2001WO-US000666.
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2001WO-US000663.
                                                                                                                                                                                                                                           2000GB-00024263.
2001WO-US000661.
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2000US-0236359P.
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                    Penn SG,
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Pred. No. 1.5e+02;
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                       Shannon
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RESULT 14
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Best Local S
Matches 16
                                                    26-MAY-2000; 2000US-0207456P.
21-SEP-2000; 2000US-0234587P.
27-SEP-2000; 2000US-0235359P.
04-CCT-2000; 2000GB-00024263
30-JAN-2001; 2001WO-US000661.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000665.
30-JAN-2001; 2001WO-US000665.
30-JAN-2001; 2001WO-US000665.
30-JAN-2001; 2001WO-US000665.
30-JAN-2001; 2001WO-US000668.
30-JAN-2001; 2001WO-US000669.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 maino acids of (S1), 95% deviation from (S1) which are conservative substitutions, and 65% identity to (S1). A polypeptide of the invention acts as a agonist or antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity a pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of hGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the invention for scanning the sequence represented in ACN63102
                                                                                                                                                                                                                                                                                                                                                                                                                        Human; ss; probe; myosin-like protein-1; hGDMLP-1; hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder; skeletal muscle function.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
(GUYY/)
                                                                                                                                                                                                                                                                                                                                                                                             Homo sapiens
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                                                                                                                                                                                                                                                                                                        26-NOV-2003;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Disclosure;
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Pred. No. 1.5e+02;
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RESULT 150
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KW neurop
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Best Local S
Matches 16
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(RANK/) RANK D.
(CHEN/:), CHEN W.
(SHAN/), SHANNON M I
                                                                                                                                                                                                                                                                                                                                                                                     rat; astrocyte; kohjirin; osteogenic protein binding region; nootr neuroprotective; antiparkinsonian; cerebroprotective; bone morphogenic protein antagonist; BMP antagonist; gene therapy; brain disorder; Alzheimer's disease; Parkinson's disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
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                                                                                             (TAIS )
                                                                                                                                                                                                                                                                                                                             Synthetic.
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                                                                                                                                                                                           20-FEB-2003; 2003WO-JP001850
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                                                                                                                                                                                                                                                                     WO2003070937-A1
                                                                                                                                                                                                                                                                                                           Rattus
                                                                                                                                                                                                                                                                                                                                                                   cerebral ischaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADA19158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 17 BP; 4 A; 3 C; 8 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Disclosure;
                                                                                                                                                     20-FEB-2002; 2002JP-00042984
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2004-533378/51.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ji Y,
                                                                                                                                                                                                                                                                                                         вp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   μ
                                                                                           TAISHO I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   kohjirin 5'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Penn SG,
                                                                                                                 PHARM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ID NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ~
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DNA;
                                                                                                                                                                                                                                                                                                                                                                 external
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                                                                                                                   CO LID
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RACE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 15.4;
Pred. No. 1.
                                                                                                                                                                                                                                                                                                                                                                   brain trauma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   primer SEQ ID NO:4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1.5e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Chen W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ļ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                             region; nootropic;
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WPI; 2003-671811/63

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Ueki T;

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RESULT 151
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Best Local
                                                                    The invention relates to a novel polynucleotide isolated and purified from a human gene having any one of 935 fully defined sequences as given in specification, or a sequence having a base substitution. The invention further relates to: an oligonucleotide containing single nucleotide polymorphisms; a PCR primer set chosen from the combination of two DNA fragments from any one of 1220 fully defined sequences as given in specification; a labelling probe containing the SNP containing oligo; and microarray equipped with the SNP containing the SNP containing of the invention is useful for detecting the single nucleotide means of the invention is useful for detecting the single nucleotide.
polymorphisms in human gene. The isolated human gene is also useful for diagnosis of disease and determination of side effect to a medical agent the isolated human gene is also effective in detecting single nucleotide.
                                                                                                                                                                                                                                                                                                                                                                              Claim 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Novel polynucleotide useful for
                                                                                                                                                                                                                                                                                                                                                                                                                                         in human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    human; single nucleotide polymorphism; microarray; side effect; primer; PCR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention describes a protein designated kohjirin (I), wh comprises an osteogenic protein binding region. Kohjirin has nootropi neuroprotective, antiparkinsonian and cerebroprotective activities, a can be used as a bone morphogenic protein (BMP) antagonist, and in ge therapy. The kohjirin protein comprises an osteogenic binding region is useful in drugs or for developing drugs for the treatment and prevention of brain disorders, e.g. Alzheimer's disease, Parkinson's equence represents a 5, RACE primer for rat kohjirin, which is used a seamed from the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (KAGA-) KAGAKU GIJUTSU SHINKO JIGYODAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12-FEB-2002; 2002JP-00034717
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12-FEB-2002; 2002JP-00034717.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             26-FEB-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADF88173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADF88173 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Protein kohjirin comprising an osteogenic protein binding region and encoding it for prevention and treatment of brain disorders, e.g. Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          957
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               nucleotide polymorphism
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Similarity
                                                                                                                                                                                                                                                                                                                                                                              SEQ ID NO 1756;
                                                                                                                                                                                                                                                                                                                                                                                                                                         gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GAGTCTCTGAGCTCCAT 973
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.6%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19
                                                                                                                                                                                                                                                                                                                                                                     704pp; Japanese
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0
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Pred. No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         detection primer, SEQ ID No 1756.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        detecting
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                     single nucleotide polymorphisms
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   88;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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CC i
CC interfering RNA) comprising selecting an siRNA molecule of 19-25

CC nucleoside bases by selecting a target gene and measuring the

CC functionality of sequences of 19-25 nucleotides in length that are

CC substantially complementary to a stretch of nucleotides of the target

CC griteria. Also claimed are methods for gene-silencing, developing an

CC criteria. Also claimed are methods for gene-silencing, developing an

CC siRNA algorithm for selecting siRNA, selecting an siRNA which improved

CC functionality, selecting hyperfunctional siRNA, an siRNA molecule

CC effective at silencing BC1-2, and a kit for gene silencing comprising the

sequence consisting of GGGAGAUAGUAGUAGUAGUA, GAGAUAGUACAGUACA;

CC GUACGACAACCGGGAGAUA, AGGAUAGUAGUAGUAGUA, GAGAUAGUACA,

CC GUACGACAACCGGGAGAUA, AGGAUAGUAGUAGUAGUA,

CC GUACGACAACCGGGAGAUA, AGGAUAGUAGUAGUAGUACA,

CC GUACGACACACCGGGAGAUA, AGGAUACUGGCUCAGUUUG;

CC GUACGACACACCGGGAGAUA, AGGAUACUGGCUCAGUUG, The siRNA molecule

CC comprises a hairpin. The siRNA molecule comprises between 18 and 30 base

CC pairs. The kit comprises at least two siRNA, comprising a first optimised

CC siRNA and a second optimises at least two siRNA, comprising a first optimised

CC siRNA and a second optimises at least two siRNA, comprises between 18 and 30 base

CC siRNA and a second optimised siRNA. The method is useful in selecting

CC siRNA for generating a gene silencing reagent. The present sequence is

CC used in the exemplification of the invention. The sequence is shown in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       밁
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 12; SEQ ID NO 476; 199pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Selecting
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2004-420527/39.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Anastasia K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14-NOV-2002;
10-SEP-2003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          14-NOV-2003; 2003WO-US036787
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               polymorphisms in a human gene. This polymucleotide sequence represents one of the PCR primers used in the single nucleotide polymorphism detection method of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADQ60774;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  polymorphisms in a human one of the PCR primers us
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         siRNA; gene silencing; Bcl-2; optimised; short interfering interference.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1034 TCATGGAGCTGACCTGG 1050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      target sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      siRNA by selecting an siRNA molecule of 19-25 nucleoside bases
ing a target gene and measuring the functionality of the
e sequences that are complementary to a stretch of nucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TCATGGTGCTGACCTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
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2003US-0502050P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         relates to a novel method
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Angela R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A; 5 C; 6 G; 5 T; 0 U;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      for selecting siRNA n siRNA molecule of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0 Other;
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14.7. W.S

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RESULT 153
ADR80551/c
ID ADR805
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AC ADR805
XX
AC ADR805
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AC ADR806
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Best Local Similarity
Matches 16; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                 13-MAR-2003; 2003US-0455050P.
14-APR-2003; 2003US-0463894P.
17-APR-2003; 2003US-0463772P.
25-APR-2003; 2003US-046565P.
25-APR-2003; 2003US-046565P.
09-MAY-2003; 2003US-0469612P.
08-AUG-2003; 2003US-0499986P.
11-AUG-2003; 2003US-0494597P.
26-SEP-2003; 2003US-050341P.
09-OCT-2003; 2003US-0510318P.
10-CCT-2003; 2003US-0510318P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cytostatic; anticonvulsant; nootropic; muscula; anti-HIV; RNA interference; iRNA; antisense technology; lipid metabolism; cholesterol imbalance; dyslipidaemia hypercholesterolaemia; coronary artery disease; CAD; coronary heart disease; CHD; atherosclerosis; hepatic glucose production; glucose-metabolism-related disorder; diabetes; cancer; breast cancer; colon cancer; lung cancer; neurological disease; Huntington disease; spinocerebellar ataxia; viral disease; AIDS; apolipoprotein B; apoB; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         the
                                                                                                                                                                          Interference RNA agent useful for treating dyslipidemias, coronary disease, diabetes, cancer or neurological disease, comprises sense sequence and antisense sequence which has specific modifications.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   07-MAR-2003;
                                                     sense sequence and
                                                                             The invention describes a RNA interference (iRNA)
                                                                                                                                                                                                                                                                                                                                       Manoharan M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              08-MAR-2004;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human apolipoprotein B (ApoB) oligonucleotide seqid 5048
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADR80551
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                                                                                                                                                                                                                                                                                                                                                                                       (ALNY-) ALNYLAM PHARM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              -MAR-2003;
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     more asymmet
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  nce and an antisense sequence, where the sense sequence asymmetrical 2'-O alkyl modifications, the antisense ave one or more asymmetrical phosphorothioate modifica
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2003US-0454265P.
2003US-0454962P.
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                                                                                                                                  5048;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DNA,
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                                                                                                                               378pp;
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Pred. No. 1.3e+02
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                                                                                                                               English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          anti-HIV;
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                                                                               agent (I) comprising
                                                       sequences
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RESULT 154
ADR75724
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local S
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  07-MAR-2003;
12-MAR-2003;
13-MAR-2003;
13-MAR-2003;
14-APR-2003;
17-APR-2003;
25-APR-2003;
09-MAY-2003;
                                                                                                                                                                                                                                                                                                                                                                      antilipemic; cardiant; vasotropic; antiarteriosclerotic; antidiabetic; cytostatic; anticonvulsant; nootropic; muscula; anti-HTV; cytostatic; anticonvulsant; nootropic; muscula; anti-HTV; RNA interference; iRNA; antisense technology; lipid metabolism; cholesterol imbalance; dyslipidaemia hypercholesterolaemia; coronary artery disease; CAD; coronary heart disease; CHD; atherosclerosis; hepatic glucose production; glucose-metabolism-related disorder; diabetes; cancer; breast cancer; colon cancer; lung cancer; neurological disease; Huntington disease; colon cancer; lung cancer; neurological disease; Huntington disease;
                                                                                                                                                                                                    08-MAR-2004;
                                                                                                                                                                                                                                                                                                                                                         spinocerebellar ataxia; viral disease; AIDS; apolipoprotein B; apoB;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human apolipoprotein B (ApoB) oligonucleotide seqid 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADR75724 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 19 BP; 7
                                                                                                                                                                                                                                                                                                                     Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   16-DEC-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       and the antisense sequence targets
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Similarity
; 2003US-0452682P.

2003US-0454265P.

2003US-0455962P.

; 2003US-0455050P.

; 2003US-0462894P.

; 2003US-0465652P.

; 2003US-04656652P.

; 2003US-04656652P.

; 2003US-0465652P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                    2004WO-US007070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A; 3 C; 4 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.6%;
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Pred. No. 1.3e+02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               a human gene sequence. Also described comprising (I); reducing (M1) apoB-100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 19;
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                                                                                                                                                                                                                                                    RESULT 155
ADR77893/c
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11-AUG-2003; 2003US-0494597P.
26-SEP-2003; 2003US-0506341P.
09-OCT-2003; 2003US-0510246P.
10-OCT-2003; 2003US-0510318P.
07-NOV-2003; 2003US-0518453P.
             antilipemic; cardiant; vasotropic; antiarteriosclerotic; antidiabetic;
cytostatic; anticonvulsant; nootropic; muscula; anti-HIV;
RNA interference; iRNA; antisense technology; lipid metabolism;
                                                                                                 Human apolipoprotein B
                                                                                                                                                                                                                            ADR77893 standard; DNA; 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Interference RNA agent useful for treating dyslipidemias, coronary disease, diabetes, cancer or neurological disease, comprises sense sequence and antisense sequence which has specific modifications.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (ALNY-) ALNYLAM PHARM
                                                                                                                                                                                                                                                                                                                                                                                 2330
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                                                                                                                                                                                                                                                                                                                                                                                                                                             Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5; SEQ ID NO 209; 378pp; English.
                                                                                                                                                                                                                                                                                                                                                                            ccrcrccrcrcrcrcrcr 2346
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         B₽;
                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               describes a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Bumcrot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0
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                                                                                                                                                                                                                                                                                                                                                                                                                                             94.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.6%;
                                                                                               (ApoB) oligonucleotide seqid
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                                                                                                                                                                                                                              BP
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                                                                                                                                                                                                                                                                                                                                                                                                                         0,
                                                                                                                                                                                                                                                                                                                                                                                                                    Score 15.4; D
Pred. No. 1.3e
0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                           1.3e+02
                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 19;
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CC sense sequence and an antisense sequence, where the sense sequences have a cone or more asymmetrical 2'-O alkyl modifications, the antisense come or more asymmetrical phosphorothicate modifications care; a pharmaceutical preparation comprising (I); reducing (M1) apob-100 cc levels or glucose-6-phosphatase levels in a subject; producing (I); cc stabilising (I), involves selecting a sequence with activity and comprising (I) and instruction for its use; and a device the modification decreases nuclease sensitivity while not decreasing its cativity; a kit comprising (I) and instruction for its use; and a device that can be dispense or administer a composition comprising (I) is useful for reducing apob-100 levels or glucose-6-phosphatase levels. (I) is useful for reducing apob-100 levels or glucose-6-phosphatase levels. (I) is useful for reducing apob-100 levels or glucose-6-phosphatase levels. (I) is useful for reducing apob-100 levels or glucose-6-phosphatase levels. (I) is useful for reducing apob-100 levels or glucose-6-phosphatase levels. (I) is useful for reducing apob-100 levels or glucose-6-phosphatase levels. (I) is useful for reducing apob-100 levels or glucose-6-phosphatase levels. (I) cotherwise unwanted clevels of cholesterol, and/or disregulation of lipid metabolism. The cotherwise unwanted levels of cholesterol, and/or disregulation of lipid metabolism. The cotherwise unwanted clevels of cholesterolaemia, statin-resistant (C dyslipidaemias, hypercholesterolaemia, statin-resistant (C dyslipidaemias, hypercholesterolaemia, statin-resistant (C dyslipidaemias, hypercholesterolaemia, statin-resistant (C discase (CHD) and atherosclerosis. (I) is administered to a subject to c inhibit thepatic glucose production or for treating glucose-metabolism-c c related disorder e.g. diabetes or type-2 diabetes. (I) is useful for c related disorder e.g. diabetes or type-2 diabetes. (I) is useful for c pure cancer), neurological disease (e.g., Huntington disease or guidence compared that can the control and compared to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    25-APR-2003;
25-APR-2003;
09-MAY-2003;
08-AUG-2003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13-MAR-2003;
14-APR-2003;
17-APR-2003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             07-MAR-2003;
12-MAR-2003;
13-MAR-2003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Interference RNA agent useful for treating dyslipidemias, coronary disease, diabetes, cancer or neurological disease, comprises sense sequence and antisense sequence which has specific modifications.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                atherosclerosis; hepatic glucose production;
glucose-metabolism-related disorder; diabetes; cancer; breast
colon cancer; lung cancer; neurological disease; Huntington di
spinocerebellar ataxia; viral disease; AIDS; apolipoprotein B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       08-MAR-2004;
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atherosclerosis; hepatic glucose production;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               26-SEP-2003;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (ALNY-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ALNYLAM PHARM
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2003US-0463772P.
2003US-0465862P.
2003US-0465802P.
2003US-0469612P.
2003US-0494597P.
2003US-0494597P.
2003US-0510318P.
2003US-0510318P.
2003US-0510318P.
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2003US-0455050P.
2003US-0462894P.
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2003US-0454265P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             describes a RNA interference (iRNA)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Bumcrot
control ApoB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NO 2378; 378pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    disease;
B; apoB;
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Sequence

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0 Other;

gene expression.

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RESULT 156
ADR78342
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17-APR-2003;
25-APR-2003;
25-APR-2003;
25-APR-2003;
09-MAY-2003;
08-AUG-2003;
11-AUG-2003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                           12-MAR-2003;
13-MAR-2003;
13-MAR-2003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cytostatic; anticonvulsant; nootropic; muscula; anti-HIV; RNA interference; iRNA; antisense technology; lipid metabolism; cholesterol imbalance; dyslipidaemia hypercholesterolaemia; coronary artery disease; CAD; coronary heart disease; CHD; atherosclerosis; hepatic glucose production; glucose-metabolism-related disorder; diabetes; cancer; breast cancer; glucose-metabolism-related disorder; diabetes; Huntington disease; spinocerebellar ataxia; viral disease; AIDS; apolipoprotein B; apoB; ss.
sense sequence and an antisense sequence, where the sense sequences have one or more asymmetrical 2'-O alkyl modifications, the antisense sequences have one or more asymmetrical phosphorothicate modifications and the antisense sequence targets a human gene sequence. Also described are: a pharmaceutical preparation comprising (I); reducing (M1) apoB-100 levels or glucose-6-phosphatese levels in a subject; producing (I); stabilising (I), involves selecting a sequence with activity and
                                                                                                                                                     Interference RNA agent useful for treating dyslipidemias, coronary disease, diabetes, cancer or neurological disease, comprises sense sequence and antisense sequence which has specific modifications.
                                                                                                                                                                                                                                                                                                                                26-SEP-2003;
09-OCT-2003;
                                                                                                 The invention describes a RNA interference (iRNA)
                                                                                                                               Example
                                                                                                                                                                                                                 WPI; 2004-677362/66
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      07-MAR-2003;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               antilipemic; cardiant; vasotropic; antiarteriosclerotic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human apolipoprotein B (ApoB) oligonucleotide segid 2827.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                standard;
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                                                                                                                                                                                                                                           ĭ,
                                                                                                                            SEQ ID NO 2827; 378pp; English.
                                                                                                                                                                                                                                                                                                 2003US-0454962P

2003US-0452994P

2003US-0462894P

2003US-046565P

2003US-046565P

2003US-0469612P

2003US-049986P

2003US-0494597P

2003US-0494597P

2003US-0510246P

2003US-0510246P

2003US-0510246P

2003US-0510246P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                             Bumcrot
                                                                                                                                                                                                                                                                         PHARM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.6%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 15.4; DB 1;
Pred. No. 1.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
                                                                                 e (IRNA) agent (I) comprising a where the sense sequences have
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 19
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                                                                                                                                                                                    artery
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RESULT 157
AAZO5177/c
ID AAZO51
XX AAZO51
XX AAZO51
XX Vaccin
CX Vaccin
KW Parati
KW Parati
KW DAITH
OS Chlam
XX Synth
OS Chlam
XX Synth
OS Chlam
XX II-DE
PD 10-JU
XX 28-NO
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local (
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                                                                                                                                                                                                                                                                                                                                                                                                                                           28-NOV-1997;
17-DEC-1997;
04-NOV-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   otherwise unwanted expression of apoB-100, elevated or otherwise unwanted levels of cholesterol, and/or disregulation of lipid metabolism. The disorder is chosen from the HDL/LDL cholesterol imbalance, by a subject to the stating of the HDL/LDL cholesterol imbalance, by a subject to disorder is chosen from the HDL/LDL cholesterol imbalance, dyslipidaemias, hypercholesterolaemia, stating resistant hypercholesterolaemia, coronary artery disease (CAD), coronary heart disease (CHD) and atherosclerosis. (I) is administered to a subject to inhibit hepatic glucose production or for treating glucose—metabolism-related disorder e.g. diabetes or type-2 diabetes. (I) is useful for treating the diseases as mentioned above, cancer (e.g. breast, colon or spinocerebellar ataxia) or viral disease (e.g., Huntington disease or lung cancer), neurological disease (e.g., AIDS). This sequence represents a human apolipoprotein B (ApoB) antisense oligonucleotide that the stating of the stating approach antisense oligonucleotide that the stating of the stating approach antisense oligonucleotide that the stating and the stating approach antisense oligonucleotide that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          introducing one or more asymmetrical modification in the sequence, where the modification decreases nuclease sensitivity while not decreasing its activity, a kit comprising (I) and instruction for its use; and a device that "Can' be dispense or administer a composition comprising (I). (I) is useful for reducing apoB-100 levels or glucose-6-phosphatase levels. (MI) is useful for reducing apoB-100 levels or glucose-6-phosphatase levels. The subject is suffering from a disorder characterised by elevated or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic.
Chlamydia trachomatis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      nongonococcal uretritis; bartholinitis; pneumopath
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAZ05177 standard;
                                                                                                                                                                                                                                                        WPI; 1999-371125/31.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       27-NOV-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       paratrachoma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Vaccine; eye disease; conventional trachoma; nonendemic trachoma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PCR primer used
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                                                                                                                                                                                                                                                                                                                                                                                (GEST )
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                                                                                                                                                                                                                                                                                                                                                                                GENSET
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      inclusion conjunctivitis; genital disease; perihepatitis; uretritis; epidymitis; cervicitis; salpingitis; PCR prime; pneumopathy; venereal lymphogranulomatosis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                              98US-0107077P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     97FR-00015041.
97FR-00016034.
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PCR primers AAZ01426-Z06209 were used to amplify open reading frames (ORPs) of the genome of Chlamydia trachomatis (see AAZ01425). These encode polypeptides (see AAY36754-Y37949) which can be used as vacci

Genome sequence of Chlamydia trachomatis

Disclosure; Page 1749; 1755pp;

English.

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Best Local
The present invention describes a method for determining if a tissue sample comprises a cell with a chromosome (11:18) translocation associated with malignancies such as mucosa-associated lymphoid tissue (MALT) lymphomas. The method comprises subjecting a sample nucleic acid to amplification using primers complementary to sequences which are on chromosome 11 region q21-22.3 and on chromosome 18 region q21.1-22. The method can be used for determining if a tissue sample or analogue comprises a chromosome (11:18) translocation associated with malignancie such as mucosa-associated lymphoid tissue lymphomas. The nucleic acid or the antibody may be used as a probe for detection, for hybridisation to southern blot cell DNAs or for in situ hybridisation of cells, or for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Determining if a tissue sample has a chromosome (11:18) translocation associated with malignancies by amplifying a nucleic acid sample using primers complementary to chromosome 11 region q21-22.3 and chromosome
                                                                                                                                                                                                                                                                                                                                                                                           Example 1; Page 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Baens M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              27-MAY-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            be used to control growth of the microorganism. Chlamydia trachomatis is responsible for a large number of diseases. e.g. eye diseases such as conventional trachoma, nonendemic trachoma, paratrachoma, and inclusion conjunctivitis; genital diseases such as nongonococcal uretritis, periddymitis, cervicitis, salpingitis, perihepatitis, bartholinitis; pneumopathy in breast feeding infants; and venereal lymphogranulomatosis. The polypeptides of the invention may be of near in trachomatics.
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be used
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Sequences AAC92560-C92639 represent antisense oligonucleotides targetted to the human nucleolin gene, which inhibit its expression. The antisense coligonucleotides were designed to target different regions of the human nucleolin mRNA, and were analysed for their effect on nucleolin mRNA and sere analysed for their effect on nucleolin mRNA and sere analysed for their effect on nucleolin mRNA clevels by quantitative real-time PCR. Nucleolin (also known as P92 or CC 23) is the most abundant nucleolar phosphoprotein in actively growing cells. Nucleolin primarily participates in ribosome biogenesis and transport of ribosomal components, being able to transiently bind to pre-ribosomes in the nucleolus via a ribonucleoprotein consensus sequence. However, it has also been shown to be involved in cycokinesis. Creplication, signal transduction, and chromatin decondensation. Nucleolin is a member of the Ag-MOR (active ribosomal gene located in the nucleolar cribosoms region) family of proteins which are markers of active
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                                                                                                                                                                                                                                                                                          Novel antisense compound targeted to human nucleolin which specifically hybridizes with and inhibits the expression of human nucleolin, useful for modulating the expression of nucleolin in cells.
organiser region)
ribosomal genes, a
                                                                                                                                                                                                                                                                Claim 14; Col 41-42; 41pp;
                                                                                                                                                                                                                                                                                                                                                                  WPI; 2001-079848/09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ribosome transport; cytokinesis; nucleogenesis; cell proliferation; cell growth; transcriptional repression; replication; signal transduction; chromatin decondensation; Ag-NOR family; nucleolin antibody; systemic connective tissue disease; SLE; systemic lupus erythematosus;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    03-NOV-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               scleroderma-like chronic graft versus host disease; expression inhibition; tumour formation; cancer; ir immune disorder; phosphorothicate; antisense oligor
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     determining the presence of complementary DNA. The present sequence represents a PCR primer used in the construction of the specifically claimed chimeric human apoptosis inhibitor 2 (API2)/MALT-lymphoma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human nucleolin; P92; C23; phosphoprotein; ribosome biogenesis;
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ense oligonucleotide;
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The invention relates to a novel pharmaceutical composition, which has a circular agent comprising an oligonucleotide antisense to the initiation codon, coding region, 5' or 3' end genomic flanking regions, 5' and 3' intron-exon junctions, or regions within 2-10 nucleotides of junctions of genes encoding a polypeptide associated with lung and/or nasal sirway dysfunction and a second active agent comprising an antiinflammatory steroid and ubiquinone. A composition of the invention has antiinflammatory, antiallergic, antiasthmatic, hypotensive, immunosuppressive, and cytostatic activity. The composition may have a use in antisense gene therapy. The composition is useful for treating or preventing a respiratory, lung or mallgnant disease or condition, also for enhancing the prophylactic or their specific reducing or depleting levels of, or reducing sensitivity to adenosine, reducing levels of adenosine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
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Matches 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; antisense; lung dysfunction; nasal airway dysfunction; antiantlammatory steroid; ubiquinone; antiinflammatory; antiallergic; antiasthmatic; hypotensive; immunosuppressive; cytostatic; gene thera antisense gene therapy; respiratory; lung; adenosine sensitivity; adenosine receptor; bronchodilation; bronchoconstriction; lung allerg
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pharmaceutical composition for treating ailments associated with impaired respiration, has oligo(s) antisense to specific gene(s) or its cresponding RNAs, and glucocorticoid or non-glucocorticoid steroid or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure;
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                                                                                         The invention relates to nucleic acids derived from a chromosome (11:18) translocation associated with malignancies such as mucosa-associated lymphoid tissue (MALT) lymphomas. The nucleic acids are useful in the diagnosis of low grade lymphomas. The present sequence represents a huma API2-MLT primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           receptor, producing bronchodilation, increasing levels of ubiquinone or lung surfactant in a subject's tissue, or treating bronchoconstriction, lung inflammation, lung allergies, or a respiratory disease or condition. Note: The sequence data for this patent is not represented in the printed specification, but was obtained in electronic format directly from WIPO
                                                                                                                                                                                   Nucleic acids derived from a chromosome (11:18) translocation asso with malignancies such as mucosa-associated lymphoid tissue (MALT) lymphomas, useful for diagnosing low grade lymphomas.
                                                                                                                                                                                                                                                                                                                            09-JUN-1999; 99US-0138834P.
26-MAY-2000; 2000US-00579692.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  chromosome (11:18) translocation; cancer; mucosa-associated lymphoid tissue; MALT lymphoma; API2-MLT;
                                                                   Sequence 20
                                                                                                                                                             Example;
                                                                                                                                                                                                                                                         Dierlamm
                                                                                                                                                                                                                                                                                                                                                             28-JAN-2003; 2003US-00353461.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence
                                                                                                                                                                                                                                  WPI; 2003-852143/79.
                                                                                                                                                                                                                                                                               (DIER/) DIERLAMM J.
(BAEN/) BAENS M.
(MARI/) MARIJNEN P.
                                                                                                                                                                                                                                                                                                                                                                                     18-SEP-2003
                                                                                                                                                                                                                                                                                                                                                                                                            US2003176682-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADL93361;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADL93361 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1106 GGGCTCCTGGGGCCGAT 1122
 739
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                                    Similarity
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 CCTTCTGCAACTTCAGC 755
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nilarity 94.1%;
Conservative
                                                                   BP; 4
                        Conservative
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                                                                                                                                                                                                                                                        Baens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            entry
                                                                    8 C; 2 G; 6 T; 0 U; 0 Other;
                                    94.1%;
                                                                                                                                                             39pp;
                                             0.6%;
                                                                                                                                                                                                                                                         Marijnen
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           G; 4 T; 0 U;
                                  Score 15.4;
Pred. No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 15.4; DB 1;
Pred. No. 1.3e+02;
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); Mismatches
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                         Mismatches
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                                               DB 1;
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                                            Length
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                        Gaps
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a human
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RESULT 162
ADM35952
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                                           myasthenia gravis, immunodeficiency disorders such as AIDS, malignant tumours that cause gastric and skin cancer as well as leukaemia and lymphoma, and various infectious diseases for example from bacteria, viruses and protozoa. Accordingly, such compositions exhibit dermatological, immunosuppressive, antiinflammatory, antibacterial, virucide, antiparasitic, cytostatic, antirheumatic, antiarthritic, neuroprotective, antimicrobial and antiallergic activities. These oligodeoxynucleotides have immunopharmacological activity and induce a synergistic antigen specific immune response of an immunopotentiating cytokine. This oligonucleotide sequence is an immunostimulatory dI/dU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Use of an immunostimulatory oligodeoxynucleic acid molecule preparation of pharmaceutical composition for treating e.g. lupus erythematosus, sepsis or viral infections.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  systemic lupus erythematosus; SLE; myasthenia gravis; immunodeficiency disorder; AIDS; malignant tumour; gastric cancer; skin cancer; leukaemia; lymphoma; infectious disease; dermatological; immunosuppressive; antiinflammatory; antibacterial; virucide; antiparasitic; cytostatic; antirheumatic; antiarthritic; neuroprotective; antimicrobial; antiallergic; immunopharmacological.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 14; Page 107; 139pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2003-569024/53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Schmidt W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              07-DEC-2001; 2001AT-00001924
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          05-DEC-2002; 2002WO-EP013791
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         03-JUN-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Phosphorothicate CpdI/dU DNA oligo #3 useful for induction of NK LU.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               phosphorothicate; natural killer lytic activity; NK LU;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INTERCELL BIOMEDIZINISCHE FORSCHUNGS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Schellack C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /note= "OTHER= Any n represents deoxyuridine deoxyinosine"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                mod_base= OTHER
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                        a phosphorothicate backbone of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Egyed A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ВÞ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Lingnau K;
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RESULT 163
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Best Local
          This invention relates to a novel use of immunostimulatory oligodeoxynucleic acid molecules (ODNs) that contain deoxyinosine (dI) of deoxynidine (dV). Specifically, it refers to ODN molecules that encode antigenic proteins, yet do not induce the systemic production of proinflammatory cytokines such as TNF-alpha and interleukin-6 (IL-6), thus reducing the induction of potential harmful side effects. The present invention describes compositions that are useful for preparing a pharmaceutical composition that can activate dendritic cells, B cells, natural killer cells and hence treat an immune system deficiency. Furthermore, they can be used to treat various diseases including autoimmune disorders such as systemic lupus erythematosus (SLE) and myasthenia gravis, immunodeficiency disorders such as ALDS, malignant tumours that cause gastric and skin cancer as well as leukaemia and
                                                                                                                                                                                                                                                                      Use of an immunostimulatory oligodeoxynucleic acid molecule in the preparation of pharmaceutical composition for treating e.g. system lupus erythematosus, sepsis or viral infections.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 gastric cancer; skin cancer; leukaemia; lymphoma; infectious disease;
dermatological; immunosuppressive; antiinflammatory; antibacterial;
virucide; antiparasitic; cytostatic; antirheumatic; antiarthritic;
                                                                                                                                                                                                                                         Example 14; Page 108; 139pp; English.
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                                                                                                                                                                                                                                                                                                                                                                            Schmidt
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              deoxyinosine; deoxyuridine; antigenic; immune system deficiend autoimmune disorder; systemic lupus erythematosus; SLE; myasthenia gravis; immunodeficiency disorder; AIDS; malignant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 20 BP; 0 A; 6 C; 2 G; 10 T; 0 U; 2 Other;
                                                                                                                                                                                                                                                                                                                                                                                                       (INTE-) INTERCELL BIOMEDIZINISCHE FORSCHUNGS.
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lymphoma, and various infectious diseases
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADM35976 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             460 TCCTGTCCTTCTTGTACT 478
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ODN 1962 useful for B cell proliferation & IL-12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2002WO-EP013791
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/note= "OTHER= A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          84.2%;
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Pred. No. 1
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                                                                                                                                                                                                                                                                                                                                                                       Lingnau
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1.3e+02;
for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             'n
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                                                                                                                                                                                                                                                                                         systemic
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RESULT 164
ADM36056
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Best Local (
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This invention relates to a novel use of immunostimulatory oligodeoxynucleic acid molecules (ODNs) that contain deoxyinosine (dI) of deoxyuridine (dI). Specifically, it refers to ODN molecules that encode antigenic proteins, yet do not induce the systemic production of proinflammatory cytokines such as TNF-aipha and interleukin-6 (IL-6), thus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               immune system deficiency; autoimmune disorder;
systemic lupus erythematosus; SLB; maliyanthenia gravis;
immunodeficiency disorder; ADD;
immunodeficiency disorder; ADD;
skin cancer; leukaemia; lymphoma; infectious disease; dermatological;
immunosuppressive; antiinflammatory; antibacterial; virucide;
antiparasitic; cytostatic; antirheumatic; antiarthritic; neuroprotective;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               dermatological, immunosuppressive, antiinflammatory, antibacterial, virucide, antiparasitic, cytostatic, antirheumatic, antiarthritic, neuroprotective, antimicrobial and antiallergic activities. These oligodeoxynucleotides have immunopharmacological activity and induce a synergistic antigen specific immune response of an immunopotentiating cytokine. This oligonucleotide sequence is an immunostimulatory dI/dU containing ODN with a phosphorothioate backbone of the invention.
                                                                                                                                            Use of an immunostimulatory oligodeoxynucleic acid molecule in the preparation of pharmaceutical composition for treating e.g. system
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                                                                                                 Example 14;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ss; immunostimulatory; deoxyinosine;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Immunostimulatory CpdI/dU DNA oligonucleotide #59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              03-JUN-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADM36056 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   viruses
                                                                                                                                                                                              2003-569024/53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         460 TCCTGTCCTTCCTTGTACT 478
                                                                                                                               erythematosus,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        16;
                                                                                                                                                                                                                                                           INTERCELL BIOMEDIZINISCHE FORSCHUNGS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               and protozoa. Accordingly, such compositions exhibit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TCCTGTCNTTCCTTGTCNT 19
                                                                                              Page 112; 139pp; English.
                                                                                                                                                                                                                             Schellack
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BP; 0 A; 6 C; 2 G; 10 T; 0 U; 2 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    antiallergic; immunopharmacological.
                                                                                                                                                                                                                                                                                                                                                                                                                     deoxyinosine"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                 /mod_base= OTHER
/note= "OTHER= Any n represents deoxyuridine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /*tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.6%;
84.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DNA;
                                                                                                                               sepsis or viral
                                                                                                                                                                                                                             'n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20
                                                                                                                                                                                                                            Egyed A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ٥,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 15.4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pred. No. 1.3e+02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                                                          Lingnau
                                                                                                                                 infections.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              deoxyuridine; antigenic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                 deoxyinosine (dI) or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20;
                                                                                                                                                systemic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       <u>;</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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ADM35921

ADM35921

AC ADM

AC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 165
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       reducing the induction of potential harmful side effects. The present invention describes compositions that are useful for preparing a pharmaceutical composition that can activate dendritic cells, B cells, atural killer cells and hence treat an immune system deficiency. Furthermore, they can be used to treat various diseases including a untoimmune disorders such as systemic lupus erythematosus (SLE) and myasthenia gravis, immunodeficiency disorders such as AIDS, malignant tumours that cause gastric and skin cancer as well as leukaemia and lymphoma, and various infectious diseases for example from bacteria, viruses and protozoa. Accordingly, such compositions exhibit dermatological, immunosuppressive, antiinflammatory, antibacterial, virucide, antiparasitic, cytostatic, antiparamatory, antiarbritic, neuroprotective, antimicrobial and antiallergic activities. These oligodeoxynucleotides have immunopharmacological activity and induce a synergistic antigen specific immune response of an immunoptentiating cytokine. This oligonucleotide sequence is a immunostimulatory di/dU containing ODN taken from table 1 of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
Use of an immunostimulatory oligodeoxynucleic acid molecule preparation of pharmaceutical composition for treating e.g.
                                                                                                                                                                                                                                                                           07-DEC-2001; 2001AT-00001924.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Key
modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               systemic lupus erythematosus; SLE; myasthenia gravis; immunodeficiency disorder; AIDS; malignant tumour; gastric cancer; skin cancer; leukaemia; lymphoma; infectious disease; dermatological; immunosuppressive; antiinflammatory; antibacterial; virucide; antiparasitic; cytostatic; antirheumatic; antiarthritic; neuroprotective;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         immune system deficiency; autoimmune disorder; systemic lupus erythematosus; SLB; mvasrhenia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 20 BP; 0 A; 6 C; 2 G; 10 T; 0 U; 2 Other;
                                                                                                                                                     Schmidt W,
                                                                                                                                                                                                                                                                                                                                   05-DEC-2002;
                                                                                                                                                                                                                                                                                                                                                                                              12-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ss; immunostimulatory; deoxyinosine; deoxyuridine;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DNA oligo #1 useful for stimulating B cell proliferation in humans.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             03-JUN-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADM35921;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADM35921 standard; DNA;
                                                                                                                                                                                                                (INTE-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO2003047602-A1
                                                                                          2003-569024/53.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              460 TCCTGTCCTTCCTTGTACT 478
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 TCCTGTCNTTCCTTGTCNT 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      16;
                                                                                                                                                                                                                INTERCELL BIOMEDIZINISCHE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Similarity
                                                                                                                                                     Schellack
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                   2002WO-EP013791
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       antiallergic; immunopharmacological.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
1. .20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              deoxyinosine"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /mod_base= OTHER
/note= "OTHER= A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.6%;
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                                                                                                                                               Egyed
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 15.4; DB 1
Pred. No. 1.3e+02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Any n represents deoxyuridine
                                                                                                                                                  Þ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
                                                                                                                                                                                                                FORSCHUNGS
                                                                                                                                                     Lingnau
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 antigenic
                               in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Сарв
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0
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systemic

lupus erythematosus, sepsis or viral infections.

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RESULT 166
ABD24843
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cc oligodeoxynucleic acid molecules (DDNs) that contain deoxyinosine (dI) or cc deoxyuridine (dW). Specifically, it refers to ODN molecules that encode cc antigenic proteins, yet do not induce the systemic production of process of inflammatory cytokines such as TNF-alpha and interleukin-6 (IL-6), thus creducing the induction of potential harmful side effects. The present invention describes compositions that are useful for preparing a cc pharmaceutical composition that can activate dendritic cells, B cells, Cc natural killer cells and hence treat an immune system deficiency. Cc Purthermore, they can be used to treat an immune system deficiency can be used to treat various diseases including cally autoimmune disorders such as systemic lupus erythematosus (SIE) and compasthenia gravis, immunodeficiency disorders such as AIDS, malignant tumours that cause gastric and skin cancer as well as leukaemia and compasthenia gravis, immunodeficiency disorders such as AIDS, malignant cumours that cause gastric and skin cancer as well as leukaemia and compositions, and various infectious diseases for example from bacteria, coviruses and protozoa. Accordingly, such compositions exhibit dermatological, immunosuppressive, antiinflammatory, antiartritic, cutostatic, antichematic, antiartrities. These coligodeoxynucleotides have immunopharmacological activities and induce a synergistic antigen specific immune response of an immunospotentiating cytokine. This oligonucleotide sequence is an immunostimulatory dI/dU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
Matches 16; Conserv
                                      Nyce JW,
Miller S,
                                                                                                                                                                                                                                                                                                                                                         Human; antisense; bronchoconstriction; allergy; hyposecretion; pain; respiratory tract inflammation; adenosine sensitivity; lung; cancer; surfactant depletion; antiallergic; antiinflammatory; antiasthmatic; analgesic; hypotensive; immunosuppressive; cytostatic; cystic fibrosis; beta-adrenergic agonist; respiratory disease; pulmonary vasoconstriction; respiratory distress syndrome; allergic rhinitis; pulmonary hypertension; emphysema; chronic obstructive pulmonary disease; cancer; bronchitis;
WPI; 2003-093058/08
                                                                                                                                       24-APR-2001; 2001US-0286036P
                                                                                                                                                                                                                                                              WO200285309-A2
                                                                                                                                                                               23-APR-2002; 2002WO-US013143.
                                                                                                                                                                                                                                                                                                                                            pulmonary transplantation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AI092623-derived oligonucleotide SEQ ID 3855.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABD24843 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   This invention relates
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 14; Page 106; 139pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              460
                                                                                               EPIGENESIS PHARM INC
                                 Li Y, Sa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TCCTGTCCTTCCTTGTACT 478
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      This oligonucleotide sequence is an immunostimulatory \mathrm{dI}/\mathrm{dU} ODN of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BP; 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                      Sandrasagra A,
L, Shahabuddin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            lates to a novel use of immunostimulatory acid molecules (ODNs) that contain deoxyinosine (dI) or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6 C; 2 G; 10 T; 0 U; 2 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     84.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.6%;
                                                                                                                                                                                                                                                                                                                                        rejection; ss; primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 15.4; DB 1
Pred. No. 1.3e+02
                                      ß
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
                                                         Katz
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       it refers to ODN molecules that encode
                                                       Pabalan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 1; Length 20
                                                       Ģ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0,:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   thus
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This invention describes a novel composition (a) a first active agent, comprising oligonuclectides, effective for alleviating tronchoconstriction, respiratory tract inflammation, allergies and creducing adenosine sensitivity, levels of adenosine (A) or (A) receptors, convergence of the invention or cancer and can be anti-sense to the corresponding mRNA. The invention also describes a kit, that comprises: (a) a delivery construction, in separate containers, (b) the oligonucleotides, (c) instructions for adding a carrier and for use of the kit. The composition of the invention has antiallergic, antiinflammatory, antiasthmatic, can beta-adrenergic agonist. The composition is useful for preventing or treating a respiratory, lung or malignant disease. The administered composition comprises oligo and is administered to reduce the amount of target polypeptide present in the lungs. The comprises oligo and is administered to reduce the amount of target polypeptide present in the lungs. The comprises and/or bronchoconstriction and/or lung conflammation, allergies and/or surfactant hypoproduction are associated with a disease or condition such as pulmonary vasoconstriction, conflammation, allergies, asthma, impeded respiration, respiratory conditions present in the target mRNA or to reduce the amount of carget polypeptide present in the lungs. The composition comprises and/or surfactant hypoproduction are associated with a disease or condition such as pulmonary vasoconstriction, and/or lung conflammation, allergies, asthma, impeded respiration, respiratory conditions, allergies, asthma, impeded respiration, respiratory conditions, pulmonary unsoconstriction and/or lung conflammation, allergies, asthma, impeded respiration, respiratory conditions of the allergic rhinitis, pulmonary transplantation rejections pulmonary infections, bronchitis or cancer. The reduced adenosine content of the anti-sense oligos corresponding to the oligonucleotides into products that free adenosine into the system of the content of the anti-sens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pharmaceutical composition for treating asthma, has antisense oligonucleotide containing less percentage of adenosine, targeted to nucleic acids associated with lung airway or lung dysfunction, and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     bronchodilating agent.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 3855; 763pp; English.
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A; 6 C; 7 G; 4 T; 0 U; 0 Other;

Matches Query Match Best Local 16; Similarity Conservative 94.1%; 0.6%; 0; Score 15.4; Pred. No. 1. Mismatches 1.3e+02 DB 1; Length 20; Indels 0 Gaps 0

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밁
               Ś
                 1106
4
               GGGCTCCTGGGGCCGAT 1122
GGCCTCCTGGGGCCGAT 20
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RESULT 167
ADO26536
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ADO26536 standard; DNA; 20 ВÞ

01-JUL-2004

(first entry)

PCR primer MLTr1 for human MLT cDNA.

mucosa-associated lymphoid tissue-lymphoma associated translocation; MALT; MLT; primary cell transformation; apoptosis inhibitor 2; API2; Chromosome translocation; malignancy; cytostatic; human;

Homo sapiens.

10-FEB-2004.

26-MAY-2000; 2000US-00579692.

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RESULT 168
ADN71962
 #X#X#X#X##X#X99999999999
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local S
Matches 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present invention relates to a method for characterisation of chromosome translocation T (11;18) (g21;q21) and its association with malignancies such as mucosa-associated lymphoid tissue (MALT)-lymphomas. Also disclosed are: the polynucleotide and polypeptide sequences for human mucosa-associated lymphoid tissue (MALT)-lymphoma associated Translocation (MLT), and a novel mechanism of primary cell transformation by expression of a fusion protein comprising at least apoptosis inhibitor 2 (API2) fused to another protein such as MLT. The MLT polynucleotide and polypeptide sequences, and the method of the invention are useful in diagnosing and treating tumours. The present sequence represents a PCR primer used in the examples of the present invention.
                                                                                                                                                                            modified_base
23-NOV-2002; 2002US-00303266
                      23-NOV-2002; 2002US-00303266
                                                                       US2004101848-A1
                                                                                                                               modified_base
                                                                                                                                                                                                                                         modified_base
                                                                                                                                                                                                                                                                             Homo sapiens
                                                                                                                                                                                                                                                                                                    ss; human; antisense therapy; glucose transporter-4;
hyperproliferative disorder; probe.
                                                                                                                                                                                                                                                                                                                                         Human glucose
                                                                                                                                                                                                                                                                                                                                                                  12-AUG-2004
                                                                                                                                                                                                                                                                                                                                                                                          ADN71962;
                                                                                                                                                                                                                                                                                                                                                                                                                  ADN71962
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New mucosa-associated lymphoid tissue-lymphoma associated protein, useful in diagnosing and treating tumors.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2004-141430/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   09-JUN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (VLAA-) VLAAMS INTERUNIVERSITAIR INST BIOTECHNOG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    739
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         l Similarity
16; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CCTTCTGCAACTTCATC 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CCTTCTGCAACTTCAGC 755
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20 BP; 4 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ģ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQ ID NO 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Baens M,
                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                         transporter-4 antisense oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   99US-0138834P
                                                                                                                                                                                         /mod_base= Other
/note= "Phosphorothioate
methylcytidines"
                                                                                                                                                                                                                                                     Location/Qualifiers
                                                                                                                    /*tag=
                                                                                                                                          /note=
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C;
                                                                                                         base= Other
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                                                                                                                                             "2'-methoxyethyl
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                                                                                             "2'-methoxyethyl
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 15.4; DB 1; Pred. No. 1.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mismatches
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                                                                                             (2'-MOE)
                                                                                                                                             (2'-MOE)
                                                                                                                                                                                                       backbone.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0 Other;
                                                                                             nucleotides"
                                                                                                                                             nucleotides"
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Best Local S
Matches 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to antisense oligonucleotides targeted to a nucleic acid molecule encoding Glucose transporter-4. The oligonucleotides specifically hybridise with the nucleic acid molecule encoding Glucose transporter-4 and inhibit the expression of Glucose transporter-4. The antisense oligonucleotide is useful for inhibiting the expression of Glucose transporter-4 in cells or tissues to prevent or treat diseases associated with their pression, such as a hyperproliferative disorder. In addition, the compound is used for diagnostics, prophylaxis, or as research reagents or kits. The present sequence represents a human glucose transporter-4 antisense oligonucleotide of the invention.
                                           Genomic modification using DNA targetting for treating genetic etc. - by using vector contg. DNA with homology but different t
                                                                                                                                                                                                                                                                                                 Primer; polymerase chain reaction; PCR; human; beta-S; globin; target cell; linear DNA; indigenous region; target locus; mark replacement; O; insertional; targeting vector; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New antisense oligonuclectides for modulating Glucose transporter-4 expression, useful for diagnosing, preventing or treating conditions associated with the transporter's expression e.g. hyperproliferative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                       26-NOV-1992.
                                                                                                                                                                                                                                                 WO9220808-A1.
                                                                                                                                                                                                                                                                                                                                                     Beta-S globin gene primer 3.
                                                                                                                                                                                                                                                                                                                                                                                  25-MAR-2003
20-APR-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAQ31923 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 20
                                                                                       WPI; 1992-415786/50.
                                                                                                                                                                   15-MAY-1991;
                                                                                                                                                                                           13-MAY-1992;
                                                                                                                                                                                                                                                                          Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 15; SEQ ID NO 15; 54pp; English.
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                                                                                                                                         CELL-) CELL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                (revised)
                                                                                                                                         GENESYS
                                                                                                                                                                   91US-00700501
                                                                                                                                                                                             92WO-US004054.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  DNA;
                                                                                                                                                                                                                                                                                                                                                                                entry)
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Pred. No. 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .3e+02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 20;
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Disclosure; Page 13; 42pp; English

ocus and a marker

gene.

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target

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RESULT 170
AAQ82543/c
ID AAQ825
XX AAQ825
XX AAQ825
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XX BC Chromo
XX Synthe
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OX Synthe
XX Cosmid
OX Synthe
XX Cosmid
X
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Best Local
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Sequences were determined from the ends of chromosome 11-specific cosmids by automated sequencing without intermediate subclonding. A sample of 371 DNA sequence fragments were determined and of these, 277 were suitable for STS primer prediction by computer analysis (using the "primer" program available from E.Lander, MIT). The STSs and cosmids were mapped by in situ hybridisation, somatic cell hybrid analysis or both. Using this method, 370 STSs specific for human chromosome 11 were generated and most of them were regionally mapped. This procedure illustrates a novel method for sequencing complex genomes, designated "sequence sampled mapping". The sequence sampled mapping method is useful for the completion of high density sequence-based maps, and ultimately, for the complete sequencing of genomic DNA directly from cosmid clones. See
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequencing complex genomes, present as fragments in a cosmid library sequencing end-specific nucleotides of each clone then correlating wispatial relationship of cosmid, esp. for mammalian chromosomes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The sequences given in AAQ31921-26 are primers which were used in an example to illustrate the method of the invention. These primers were used in the correction of the human beta-S globin gene. The method comprises transforming the target cell with a linear DNA construct containing a sequence with at least 50 bp homology with an indigenous region (IR) of the target locus (TL), but different from the TL, and a marker gene. The construct is an omega-(replacement) or O-(insertional) targeting vector, where a non-homologous sequence forms an internal or external loop, respectively. The cells are then grown and selected for marker-containing cells. Cells containing the change in the IR were isolated by identifying the presence of the construct sequence at the locus. (Updated on 25-MAR-2003 to correct PN field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 4; Page 86; 128pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 1995-036508/05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  15-JUN-1993;
07-SEP-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       sequence sampled mapping; genomic analysis; complex genome mapping; cosmid library; chromosome 11; sequence tagged site; STS analysis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    15-JUN-1994;
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13-SEP-1995
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17; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (revised)
(first entry)
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93US-00117952.
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RESULT 171
AAT37932/c
ID AAT37932/c
ID AAT37932/c
XX AAT379
XX AAT379
XX VEGF-)
XX Endot
XX VEGF,
XX VASCU
KW VASCU
KW Cannce
XXX Mus t
PN W096
XXX Mus t
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CCC CCC
CCC
CC AAM37919-T37932 represent the intron/exon boundaries for the murine CC vascular endothelial growth factor (VBEF) proteins of the invention (see CAAM04824-W04928, and AAW04830), which promote endothelial or mesodermal CC cell proliferation. VBGF is also a glycosylated cationic dimer, and is CC sometimes referred to as vascular permeability factor (VPP). VBGF has CC diverse effects, depending on the specific biological context in which it is found. VBGF is a potent endothelial cell mitogen, and directly CC contributes to induction of angiogenesis in vivo by promoting endothelial CC ell growth during normal embryonic development, wound healing, and CC tissue regeneration/reorganisation. The VBGF poteins of the invention CC share the angiogenic and other properties of VBGF, but are distributed CC may be used to accelerate angiogenesis in wound healing. Antibodies against the proteins can be used for inhibiting angiogenesis. The antibodies can calso be used diagnostically to quantitatively detect VBGF-B. Primers CC complementary to the coding sequences for the proteins of the invention CC can also be used to detect VBGF-B coding sequences. Quantification of CC VEGF-B in cancer biopsy specimens may be useful as an indicator of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            밁
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Best Local S
Matches 17
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06-JUN-1995;
06-DEC-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Vascular endothelial growth factor VEGF-B proteins - useful to accelerate angiogenesis in wound healing, also related nucleic acid and antibodies
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (LUDW-)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 06-SEP-1996
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UNIV HELSINKI LICENSING LTD OY.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            diagnosis.
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95US-00469427.
95US-00569063.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   English.
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Pred. No. 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0 U;
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RESULT 172
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 Query Match
Best Local S
Matches 17
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Best Local Similarity
Matches 17; Conserv
                                                                                              markers. Primers based on these sequences can be used to detect these repeats, especially for use in e.g paternity or maternity testing, hum genetic analysis such as linkage analysis of genetic disease, commerci animal or plant breeding or pedigree analysis. Clones containing the repeat sequences were isolated by hybridisation of chromosome-specific phage libraries with a synthetic poly(dc-dA). (dG-dT) probe. Over 100 repeat blocks were isolated. The primers AAAS. 766047 were used to amplify the inserts from the isolated clones containing the repeat sequences. The primers AAASS908-9 were used to amplify the repeat sequence marker clone Mfd56. (Updated on 25-MAR-2003 to correct PF
                                                                                                                                                                                                                                                                                                             Detection of polymorphic genetic markers of the using novel nucleic acid mols. as primers.
                                                                                                                                                                                                                                                                                                                                                                                                                                            21-APR-1989;
05-SEP-1991;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      metastatic risk. VEGF-B expression in a cell can be retarded using antisense sequences direct against the VEGF coding sequences, this especially useful in retarding VEGF expression in tumour cells
                                                                                                                                                                                                                                                                                                                                                         WPI; 1997-042299/04
                                                                                                                                                                                                                                                                                                                                                                                       Weber JL;
                                                       Sequence
                                                                                                                                                                                                                                                                                   Disclosure; Col 11-12; 186pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      04-APR-1994;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10-DEC-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   linkage analys
hybridisation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Polymorphism; repeat sequence; genetic marker; primer; amplification; PCR; polymerase chain reaction; paternity; maternity; human; pedigree
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18-JUN-1997
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                                                                                                                                                                                                                                                        The invention relates
                                                                                                                                                                                                                                                                                                                                                                                                                 (MARS-) MARSHFIELD CLINIC.
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                                                                                                                                                                                                                                        vention relates to the isolation of polymorphic repeat sequences the sequence (dC-dA)n. (dG-dT)n which can be used as genetic
              Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   analysis; genetic diso
sation; chromosome; ds
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         amplify repeat sequence marker Mfd56
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(first entry)
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91US-00754351.
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              Score 15.2;
Pred. No. 1.
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Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                   English.
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              1.4e+02
                                                       0 Other;
                          DB 1; Length 20;
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                                                                                                                                                                                                                                                                                                                             form (dC-dA)n(dG-dT)n
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Gaps
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RESULT 174
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                                                                                                                                                                             Query Match
Best Local S
Matches 17
                                                                                                                                                                                                                                                        AAX91991-X97517 represent PCR primers used to amplify open reading frames and other nucleic acid sequences from the genome of Chlamydia pneumoniae (see AAX91990). C. pneumoniae causes respiratory disease such as pneumonia and bronchitis and is thought to be a contributing factor in heart disease, sarcoidosis, sinusitis, purulent otitis media, erythema nodosum or pharyngitis. The polypeptides encoded by the open reading frames of the C. pneumoniae genome (see AAX34584- AAX35879) can be used in immunogenic compositions as vaccines. Vectors containing C. pneumoniae especially where the vector directs the expression of a neutralising epitope of C. pneumoniae
06-OCT-2000
                            AAA60404;
                                                      AAA60404 standard;
                                                                                                                                                                                                                                 Sequence 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Genome sequence of Chlamydia pneumoniae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Griffais
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21-NOV-1997;
04-NOV-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic.
Chlamydophila pneumoniae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO9927105-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               sinusitis; purulent otitis media; erythema nodosum; pharyngitis; vaccine; neutralising epitope; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Respiratory disease; pneumonia; bronchitis; heart disease; sarcoidosis; sinusitis; purulent otitis media; erythema nodosum; pharyngitis; vaccin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAX94030;
                                                                                                                                                                                                                                                                                                                                                                                                                            Page 1638; Disclosure; 1912pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 1999-357842/30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20-NOV-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PCR primer used to amplify an ORF of Chlamydia pneumoniae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   13-SEP-1999
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nes 17; Conserv
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                                                                                                                          ccrcrrcrarcacerrec 20
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(first entry)
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98US-0107078P.
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                                                       DNA;
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                                                                                                                                                                                          Score 15.2;
Pred. No. 1.
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                                                                                                                                                                                                        DB 1;
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Human telomerase antisense oligonucleotide hEST23 SEQ ID NO:5.

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RESULT 175
AAZ61526
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Best Local Similarity
Matches 17; Conserv
                                                                                                                Oxytoxin expressed sequence tag; 5'-OT EST; obesity; fertility; male; transgenic animal, human late onset obesity; late onset visceral obesity; male infertility; wasting; anorexia; cachexia, malebsorptive state; catabolic state; inflammatory condition; Crohn's malebsorptive state; butn; cancer; bone disease; PCR primer; probe; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAA60400 to AAA60428 represent specifically claimed antisense oligonucleotides (I) complementary to a part of the gene encoding a protein subunit hEST2 of human telomerase that has reverse transcriptase activity, or its transcriptional mRNA. Also described are: (1) a pharmaceutical composition comprising (I); (2) a reagent kit for detecting telomerase hEST2 RNA component or DNA encoding telomerase hEST2 containing (I); and (3) preparing a drug for treating a tumour, comprising the use of (I). The antisense oligonucleotides can inhibit telomerase activity, applicable in inhibiting the growth of malignant tumours e.g. for treatment of liver, lung and breast cancers and brain
                             24-FEB-2000.
                                                                                                                                                                                                        Primer 2L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; telomerase; antisense oligonucleotide; inhibition; hEST2; malignant tumour; cytostatic; telomerase inhibitor; liver cancer; lung cancer; breast cancer; brain glioma; ss.
12-AUG-1999;
                                                          WO200009686-A1
                                                                                                                                                                                                                                     19-JUN-2000
                                                                                                                                                                                                                                                                                               AAZ61526 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Antisense oligonucleotides which inhibit human telomerase activity useful in the inhibition of malignant tumor growth, used to treat e.g. liver, lung and breast cancers and brain glioma.
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                                                                                                                                                                                                                                                                                                                                                                                                   AAGCCCTGGCCCCGGGGGCC 163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Page 4; 32pp; Chinese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Zheng X,
                                                                                                                                                                                                       for a human 5'-OT EST (oxytoxin expressed sequence tag).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        BP; 1 A; 5 C; 11 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
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99WO-GB002658.
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                                                                                                                                                                                                                                                                                               DNA;
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                                                                                                                                                                                                                                     entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 15.2; DB 1;
Pred. No. 1.4e+02;
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Best Local Similarity
Matches 17; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                obesity or male infertility particularly in the disorders related to these conditions such as wasting, or anorexia, or cachexia associated with prolonged illness, or malabsorptive states or catabolic states associated with other diseases such as inflammatory conditions, Crohn'disease or AIDS wasting, or burns, or cancer, or bone disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PCR primers and probes AAZ61525-26 are used to amplify and identify human 5'OT-EST (oxytoxin expressed sequence tag) cDNA sequences. The 5'-OT EST gene is involved in the control of obesity and fertility in males. 5'-OT EST nucleic acids are useful for producing transgenic animals. The transgenic animals created serve as a model for human late onset obesity and other related disorders and are also used for identifying the genetic cause of obesity. Compounds which modulate 5'-OT EST expression or activity are useful in the treatment or modulation of late onset visceral
                                                                                                                                                      05-OCT-1999;
                                                                                                                                                                                                                                                          anti-inflammatory; E-selectin; jun kinase; ss.
                                                                                                                                                                                                                                                                      Tumour necrosis factor receptor-associated factor; TRAF; human; antisense oligonucleotide; phosphorothioate; antiproliferative;
                                                                                                                                                                                                                                                                                                                                       30-AUG-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence
                                                WPI; 2000-303732/26.
                                                                                                                            06-OCT-1998;
                                                                                                                                                                               13-APR-2000
                                                                                                                                                                                                        WO200020435-A1
                                                                                                                                                                                                                                                                                                            TRAF1 antisense oligonucleotide ISIS# 101874.
                                                                                                                                                                                                                                                                                                                                                                                        AAA55723
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06-MAY-1999;
                                                                                                  (ISIS-) ISIS PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GATCCAGCATCCTCTCCGCC
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                                                                         Cowsert LM,
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                                                                                                                                                      99WO-US023171.
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99GB-00010522.
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Pred. No. 1.
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Antisense oligonucleotides targeted to nucleic acids encoding human tumor necrosis factor receptor-associated factor (TRAF), useful for treating diseases associated with TRAF expression such as inflammatory diseases.

Example 33; The present -A55757) who

Page

99;

170pp; English.

relates to antisense oligonucleotides (see AAA55496

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\begin{array}{c} \mathsf{CCC} \times \mathsf{RS} \times \mathsf{PPP} \times \mathsf{RS} \times \mathsf{PS} \times \mathsf{PS} \times \mathsf{PS} \times \mathsf{PS} \times \mathsf{RS} \times \mathsf{RS}
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AAH56532/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local
Matches 1
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Best Local S
                                                                                                                                                                                                                                                 Novel antisense compounds targeting nucleic acid encoding groEL or groES gene of microorganism, which hybridize with and inhibit expression of the genes, useful to inhibit growth of microorganism having the genes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Antisense oligonucleotide; groE; groEL; groES; inhibitor; growth; microorganism; Escherichia coli; Streptcocccus pneumoniae; diagnosis; Streptcocccus pyogenes; Staphylococcus aureus; Pseudomonas aeruginosa; antibacterial; antiviral; antiproliferative; antisense therapy;
The present invention specifically claims AAH56368 to AAH56832 which a antisense oligonucleotides to nucleotide sequences encoding groE. More
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Streptococcus pneumoniae.

    pneumoniae

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                                                                                                                                                             Claim
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GENE-) GENESENSE TECHNOLOGIES INC
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17; Conserv
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                                                                                                                                                        Page
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infection; ss.
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Pred. No. 1.4e+02
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New genes encoding serine WPI; 2001-564738/63.

protease-like protein, useful for diagnosis

Inoue

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Kashima

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RESULT 178
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CC generally, antisense compounds (I) comprising antisense oligonucleotides CC of 5-50 bases targeted to a nucleotide sequence encoding groEL (heat CR shock protein (HSP)60) (GL) and groES (HSP10) (GS) gene from a CC microorganism, where the antisense compound is complementary to GL or GS of a microorganism and specifically hybridises with and inhibits the CR expression of GL or GS, is claimed. (I) have antibacterial, antiviral and CR for inhibiting the activities, and can be used in antisense therapy and CR for inhibiting expression of GL or GS in cells or tissues in vitro. (I) are CR also useful for inhibiting the growth of a microorganism, or inhibiting the expression of GL or GS gene which involves administering to the CR microorganism or to a cell infected with the microorganism (I). (I) are CR critical condition mediated by the microorganism which involves identifying a eukaryotic organism CR having a pathological condition mediated by CR spene and administering (I) such that the growth of microorganism is cinhibited. The antisense compounds are utilised for diagnostics, CR preparent or delay microbial infections in humans. They are also useful as microorganism and kites, e.g., to prevent or delay microbial infections in humans. They are also useful as CR crepresent PCR primers for groß sequences which are used in the CR exemplification of the present invention. AAH56855 to AAH56870 represent CR groß nucleotide sequence given in the present invention
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Best Local (
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                                                         Ota T, 1
Ishii S,
Murakami
                                                                                                                                                     18-OCT-1999;
11-JAN-2000;
17-FEB-2000;
02-MAY-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                           Nucleotide sequence of PCR primer pcDNA-S1.
                                                                                                                                                                                                                   29-JUL-1999;
27-AUG-1999;
                                                                                                                                                                                                                                                                  28-JUL-2000;
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                                                                                                                         (-ITEH)
                                                                                                                                                                                                                                                                                                                                                                                          pharmaceutical; nootropic; neuroprotective; gene therapy;
                                                                                                                                                                                                                                                                                                                                                                                                          Serine protease-like protein; C-PLACE1009992; Alzheimer's disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAH47273 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1548 AGGANANAGTCAGTATTTCA 1567
                                                      Isogai T, Nishi
S, Sugiyama T, W
mi K, Kanzaki K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20
                                                                                                                         HELIX RES INST.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              o.6%;
Similarity 85.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AGGAGAAAGTAAGTATGTCA 1
                                                                                                                                                     99US-0159590P.
; 2000JP-00118776.
; 2000US-0183322P.
; 2000JP-00183767.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             BP; 4 A; 6 C; 1 G; 9 T; 0 U;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                  2000WO-JP005062.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                   99JP-00248036.
99JP-00300253.
                                                                                        Nishikawa T,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DNA;
                                                                           Wakamatsu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 <u>.</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 15.2;
Pred. No. 1
                                                       Hayashi K, Sai
u A, Nagai K, O
Y, Hashimoto E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1.4e+02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 1;
                                                                        Saito K, Y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                        Yamamoto J;
T, Yano K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20;
                                                                                                                                                                                                                                                                                                                                                                                            PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0;
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RESULT 179
AA168544
ID AA1685
XX AA1685
XX AA1685
XX AA1685
XX Human
XX Cytoch
XX DE1001
XX DE1001
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Best Local S
Matches 17
                                                                                                      Matches
                                                                                                                              Query Match
Best Local
                                                                                                                                                                                                                                                             This invention describes a novel test system comprising cells expressing a cytochrome P450 2D6 (hCYP2D6) allele heterolog, and at least three P450 2D6 alleles are expressed in the system. The test system is used to investigate genetically caused toxicity of metabolites, particularly medicines and to determine the toxic, mutagenic or carcinogenic effect of compounds. This sequence represents a primer used to illustrate the
                                                                                                                                                                                                     Sequence 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Test system comprising cells expressing different cytochrome P450 2D6 alleles used to investigate genetically caused metabolite toxicity and determine toxic, mutagenic or carcinogenic effect of compounds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 1; Page 45;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Doehmer J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           14-MAR-2000; 2000DE-01012220
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        14-MAR-2000; 2000DE-01012220.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20-SEP-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DE10012220-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Cytochrome P450;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human cytochrome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  21-DEC-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAI68544 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The invention relates to genes encoding serine protease-like proteins. The genes are human and murine C-PLACE1009992. The proteins can be expressed by standard recombinant methodology. The genes and proteins are useful in the diagnosis of Alzheimer's disease, or developing pharmaceuticals for treating the disease, and gene therapy. The present sequence represents a PCR primer used during the course of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (DOEH/) DOEHMER J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example
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                                                                                                                         Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
hes 17; Conserv
                                                    518
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                                                                                                 l Similarity
17; Conser
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CACTGCTTACTGGCTTATCG
                                               CACTGATTGCTGGCTCATCG 537
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CACTGCTTACTGGCTTATCG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20 BP; 3 A; 6 C; 4 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                           BP; 3 A; 6 C; 4 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Krebsfaenger
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                                                                                                                                                                                                                                                     invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      72pp; German.
                                                                                                                         0.6%;
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                                                                                               <u>,,</u>
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                                                                                                                         Score 15.2; DB
Pred. No. 1.4e+
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eichelbaum
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Pred. No. 1.
                                                                                               Mismatches
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                                                                                                                      1.4e+02
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 1;
                                                                                                                                              1;
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                                                                                                                                           Length
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                                                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    뎧
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                                                                                         0;
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                                                                                         Gaps
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RESULT 181
AAH80588/c
ID AAH805
XX
AC AAH805
AC AAH805
XX
DT 11-SEP
DT 19-SEP
XX
Oligon
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AAF60328
                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                   Query Match
Best Local !
                         11-SEP-2003
19-SEP-2001
                                                                                                                                                                                                                                                                           The present sequence was used in the construction of an adenoviral vector which includes a DNA sequence encoding endostatin. The adenoviral vector is useful for expressing endostatin in a mammalian cell such as an A549 or Hep3B cell. It is useful for treating other diseases and disorders associated with angiogenesis, such as neovascular diseases of the eye, including diabetic retinopathy, cardiovascular disease, arthritis, psoriasis, cerebral cedema and intravascular coagulopathy (Kasabach-Merritt syndrome). The vector inhibits, prevents or destroys the growth of tumours by preventing the formation of blood vessels in tumours, such as lymphoma and leukaemia
                                                               AAH80588;
                                                                                       AAH80588
                                                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                            Adenoviral vector for treating tumors and disorders associated with angiogenesis, such as cancer, arthritis, and psoriasis, comprises a sequence encoding an angiogenic inhibitor, particularly endostatin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2001-202871/20.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Hallenbeck PL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            antidiabetic; ophthalmological; gene therapy; angiogenic inhibitor adenoviral vector; diabetic retinopathy; cardiovascular disease; arthritis; psoriasis; cerebral oedema; intravascular coagulopathy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (NOVS)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13-AUG-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mouse;
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                                                                                                                                                                                                     l Similarity
17; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       endostatin;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NOVARTIS AG.
NOVARTIS-ERFINDUNGEN VERW
                                                                                       standard;
                                                                                                                                                                            CACTGATTGCTGGCTCATCG 537
                                                                                                                                                     CACTGCTTACTGGCTTATCG
                                                                                                                                                                                                                                                         20
                                                                                                                                                                                                                                                                                                                                                                                                                       Page
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  leukaemia; immunoglobulin; Ig; Ig-kappa; PCR primer; ss.
                                                                                                                                                                                                                                                      BP; 3 A;
                                                                                                                                                                                                     Conservative
                        (revised)
(first en
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                      17; 59pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Chen
                                                                                      CDNA;
                         entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   antitumour; cytostatic; antiarthritic; antipsoriatic;
                                                                                                                                                                                                                0.6%;
                                                                                                                                                                                                                                                     6 C; 4
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                                                                                      BP
                                                                                                                                                                                                    Score 15.2; D
Pred. No. 1.4e
0; Mismatches
                                                                                                                                                                                                                                                      G; 7 T; 0 U; 0 Other;
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                                                                                                                                                                                                                              DB 1;
                                                                                                                                                                                                                            Length 20;
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Oligonucleotide hybridisation

potential related

CDNA SEQ ID

NO:

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RESULT 182
AAH80589/c
ID AAH805
XX AAH805
XX AAH805
XX 11-SEE
DT 19-SEE
XX Nucled
XX Nucled
XX diseas
XX Human
XX Human
XX PP US625:
XX 26-JU
PF 10-FE
XX X
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                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Sim:
Matches 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present invention describes a method for predicting the potential of an oligonucleotide to hybridise to a (complementary) target nucleotide sequence, involving identifying a subset of oligonucleotides within the predetermined number of unique oligonucleotides based on the evaluation of the parameter. Oligonucleotides in the subset are identified that are clustered along a region of the nucleotide sequence that is hybridisable to the target nucleotide sequence. This is useful for evaluating oligonucleotide probe sequences. The present sequence is an oligonucleotide described in the exemplification of the invention. (Updated on 11-SEP-2003 to standardise OS field)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Nucleic
disease
               10-FEB-1998;
                                                                                                                                                                              Oligonucleotide hybridisation
                                                                                                                                                                                                       11-SEP-2003
19-SEP-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
                                       10-FEB-1998;
                                                                                         US6251588-B1
                                                                                                                   Human
                                                                                                                                          disease
                                                                                                                                                                                                                                                                     AAH80589 standard; cDNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            sequences,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         nucleotide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (AGIL-) AGILENT TECHNOLOGIES
                                                                                                                                                                                                                                                                                                                                                 1543 TAAGAAGGAAAAAGTCAGTA 1562
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                                                                                                                 immunodeficiency virus 1.
                                                                                                                                                                                                                                                                                                                                     20
                                                                                                                                        acid hybridisation; diagnosis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                  Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     acid hybridisation; probe; primer; human;
diagnosis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                     20 BP; 3 A; 2 C; 1 G; 14 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                    TAAAAAGAAAAATCAGTA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           the potential of an oligonucleotide to hybridize to a target sequence, useful for evaluating oligonucleotide probe by identifying a oligonucleotides based on the evaluation of
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                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                      (revised)
(first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      65; 342pp;
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                                         98US-00021701
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       English.
                                                                                                                                                     probe;
                                                                                                                                                                                                                                                                       ВÞ
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                                                                                                                                                                                                                                                                                                                                                                                                Score 15.2; DB 1;
Pred. No. 1.4e+02;
                                                                                                                                                                              potential related cDNA SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                     primer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Webb
                                                                                                                                                      human;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PG,
                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                      rabbit; HIV-1;
                                                                                                                                                                                                                                                                                                                                                                                     Indels
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RESULT 183
AAH26100/c
ID AAH261
XX AAH261
XX AAH261
XX VEGF x
XX Flt-1,
XW human,
XW human,
XW AATChi
XX ACCOUNTY
CON HOMO E
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X
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present invention describes a method for predicting the potential of an oligonucleotide to hybridise to a (complementary) target nucleotide sequence, involving identifying a subset of oligonucleotides within the predetermined number of unique oligonucleotides based on the evaluation of the parameter. Oligonucleotides in the subset are identified that are clustered along a region of the nucleotide sequence that is hybridisable to the target nucleotide sequence. This is useful for evaluating oligonucleotide probe sequences. The present sequence is an oligonucleotide described in the exemplification of the invention.
                                                                                                                                Treating or preventing e.g. tumor growth and metastasis, arthritis, psoriasis, comprises inducing vascular endothelial growth factor (Vecepotation in vivo, or administering a pre-formed VEGF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Flt-1; vascular endothelial growth factor; VEGF; receptor; VEGF148; human; cancer; tumour; antitumour; vascular disease; kidney disease; arthritis; antiarthritic; therapy; PCR primer; ss.
                                                                                                                                                                                                                                             WPI; 2001-465370/50.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 20
                                                  Example 1; Page 22; 37pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                          20-JAN-2000; 2000WO-GB000134.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            20-JAN-2000; 2000WO-GB000134.
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                                                                                                                                                                                                                                                                                                                                                     (NBRI-) NORTH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /EGF receptor Flt-1 internal reverse PCR primer
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         BP; 4 A; 2 C; 1 G; 13 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11-SEP-2003 to standardise OS
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for evaluating oligonucleotide probe
oligonucleotides based on the evaluation of
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Pred. No. 1
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t nucleotide
es within the
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hybridisable
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present sequence is that of an internal reverse PCR primer for human

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RESULT 184
ABQ81197
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Best Local S
Matches 17
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The present sequence is a primer for mouse immunoglobulin (Ig) kappa chain signal peptide. The primer was used in the PCR amplification of a 147 bp fragment of Ig kappa leader signal cDNA, from pSecTag2. It was also used in the assembly of a nucleic acid encoding mouse Ig kappa leader sequence and murine endostatin (see ABB79902). An adenoviral vector comprising this nucleic acid was generated. A claimed method for the treatment of ocular neovascularisation, especially choroidal neovascularisation, involves increasing the level of endostatin in ocula tissue, especially the level of human endostatin (see ABB79901), its
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Endostatin; mouse; ophthalmological; ocular neovascularisation; choroidal neovascularisation; gene therapy; adenovirus; vector; immunoglobulin; antibody; signal peptide; PCR; primer; ss.
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04-APR-2001;
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                                                                                                                                                                                                                                                                                  WPI; 2002-698636/75.
                                                                                                                                                                                                                                                                                                                                                                                                                                            21-FEB-2002;
                                                                                                                                                                                                                choroidal neovascularization
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                                                                                                                                                                                                                                                                                                                                                        (NOVS ) NOVARTIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1121 ATGGGTCCAGAAGAAGTTCC 1140
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                                                                                                                                                                                                                               or preventing choroidal neovascularization comprises increasing nt of endostatin in ocular tissues of afflicted individuals to a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ATGGACCCAGATGAAGTTCC 1
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2001US-0281296P.
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                                                                                                                                                                                                                                                                                                                     Campochiaro
                                                                                                                                                                              17; 44pp;
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Pred. No. 1.
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The invention relates to an isolated polypeptide, comprising a variant composed form of mouse or human SAC1 polypeptide. The variant form is associated with altered preference for carbohydrates, other sweeteners or ethanol. The polypeptide and its associated NNA sequence can be produced by crecombinant techniques and is useful for preventing obesity, diabetes or alcoholism associated with SAC1 expression. The sequences are useful in screening for drugs and sweeteners. Recombinant cell lines and transgenic cembryos may be used in screening for and identifying agents that induce or repress function of SAC1. Predisposition to diabetes, obesity or calcoholism can be ascertained by testing any fluid or tissue of a human (such as blood, pancreas or tongue) for sequence variations of the SAC1 can be ascertained by testing any fluid or tissue of a human cell sposition to diabetes, obesity and/or alcoholism and may provide a predisposition to diabetes, obesity and/or alcoholism and may provide a diagnostic mark. The polynucleotide can be detected in a biological complex can be contacting the DNA with a probe to form a hybridisation complex
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Matches 17; Conser
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 20 BP; 3 A; 6 C; 4 G; 7 T; 0 U;
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28-JUL-2000; 2000US-0221419P.
10-NOV-2000; 2000US-0247443P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel isolated polypeptide comprising variant form of mouse or human SAC: polypeptide, and is associated with altered preference for carbohydrates or other sweeteners, useful for preventing obesity, diabetes, alcoholism
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 14; Page 90; 239pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Beauchamp GK,
d DR, Ross D,
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CHEM SENSES
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Tordoff MG;
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RESULT 186
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Best Local
                                                                                                                                                                                                     The invention relates to an antisense compound (I) 8-30 nucleobases in length targeted to a nucleic acid molecule encoding lysophospholipase (II), where (I) specifically hybridises with and inhibits the expression of (II) is useful for inhibiting the expression of (II) in cells tissues, and for treating a human having a disease or condition associated with lysophospholipase I e.g. inflammation, hyperligidaemia
                                                                                                                     and cardiovascular disorders such as atherosclerosis and myocardial ischaemia. (I) is useful as research reagent and diagnostics. (I) is also useful for distinguishing functions of various members of a biological pathway. (I) is useful in antisense gene therapy. ABK37028-ABK37191 represent lysophospholipase I coding sequences, antisense of objections and related PCR primers of the invention. Note:
                                                                                                                                                                                                                                                                                                                                  Novel antisense compound useful for treating inflammation, hyperlipidemia, and cardiovascular disorders such as atherosclerosis myocardial ischemia, inhibits Lysophospholipase I.
                                                                                                                                                                                                                                                                                                                                                                                          WPI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             antilipaemic; cardiant; lysophospholipase I; inflammation; hyperlipidaemia; cardiovascular disorder; atherosclerosis; antisense gene therapy; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human lysophospholipase I gene,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence
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                                                     Sequence
                                                                               Antisense oligonucleotides are modified such that bases 1-5 and 2'-methoxyethyl (2'-MOE) nucleotides, all bases have phosphorotl linkages, and all cytidines are 5-methyl cytidines
                                                                                                                                                                                                                                                                                                         Claim
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic.
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Local Similarity 85.
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                                                                                                                                                                                                                                                                                                        3; Page
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                                                                                                                                                                                                                                                                   The present invention describes human laminin alpha 5. Also described is an isolated laminin 10. Laminin 10 has vulnerary activity. Laminins are useful in maintaining cell/tissue phenotype as well as promoting cell growth and differentiation in tissue repair development. Specifically, laminin 10 can be used for accelerating the healing injuries of vascular tissue, improving the biocompatibility of grafts useful for treating such injuries, for promoting re-endothelialisation at the site of vascular injuries, and promote cell attachment and subsequent cell stasis, proliferation, differentiation, and/or migration. The present sequence represents a primer used in the preparation of a laminin 5 expression construct, which is used in the exemplification of the present invention
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ABQ72917
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New human laminin-10 proteins, useful for accelerating the healing vascular tissue, improving the biocompatibility of grafts, or for promoting re-endothelialization at the site of vascular injuries.
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28-MAR-2001; 2001US-0279282P
13-NOV-2001; 2001US-00279282
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Laminin alpha 5; laminin 10; vulnerary; cell growth; differentiation; tissue repair development; laminin; healing; vascular tissue; re-endothelialisation; vascular injury; cell attachment; cell stasis;
                                                                                                                                                                                                                     Sequence 20 BP; 5 A; 4 C; 9 G;
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Synthetic.
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RESULT 188 ABK70817 ID ABK708 XX

ABK70817 standard;

DNA;

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RESULT 189
AAD35752/c
ID AAD357
XX AAD357
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Matches 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         polypeptide comprising the proteins appearing as AAU80188 and AAU80189, encoded by cDNAs designated FGO6969 and FGO1896. Also included are proteins that are 50% homologous to the proteins and a polypeptide having at least one deletion, replacement, addition or insertion of amino acid in the proteins and having at least 8 repetitions of the TSP1 domain. The polypeptide can be use in drug compositions particularly for disorders associated with angiogenesis and vasculogenesis. The present sequence is a PCR primer for the TSP1 domain containing DNA sequences
                                                                                                                                                                                                                                                                                                                Antisense; human Integrin beta 4 binding protein; hIbeta4BP; cytostatic; cell proliferation; cancer; gene therapy; phosphorothioate backbone; ss.
                                                                                 modified_base
                                                                                                                                                                                                                                                                                                                                                                                               Human hIbeta4BP antisense oligonucleotide, ISIS #129477.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAD35752
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 6; Page 20; 51pp; Japanese.
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                                                                                                                                                                                                                                                                     sapiens
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17; Conserv
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YOSHITOMI PHARM IND KK.
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        /mod_b
                                                                                                                                                                                                              Location/Qualifiers
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/mod_base= OTHER
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_base= OTHER
e= "2'methoxyethyl nucleotides"
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                                                                                                       "Phosphorothicate backbone"
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Best Local Similarity
Matches 17; Conserv
                                                               Raf kinase; hyperproliferation; neovascularisation; ocular angiogenesis; therapy; cancer; cytostatic; anti-angiogenic; vascular; ophthalmological; antisense; ss.
                                                                                                                                                                                                                                                                                                                                                                           The invention relates to antisense compounds targetted to a nucleic aciencoding human integrin beta 4 binding protein (hibeta4BP), which specifically hybridiess with the nucleic acid and inhibits its expression. The antisense compounds are useful to prevent or treat expression. The antisense compounds are useful to prevent or diseases associated with hibeta4BP expression, particularly conditions involving aberrant or deregulated cell proliferation (e.g. cancer). The hibeta4BP polynucleotide is used in gene therapy. The present sequence
                                            Unidentified
                                                                                                                Human raf kinase related antisense oligonucleotide #14.
                                                                                                                                         13-DEC-2002
                                                                                                                                                               AAD44835;
                                                                                                                                                                                       AAD44835
                                                                                                                                                                                                                                                                                                                                          Sequence 20 BP; 9 A; 3 C; 7 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                an antisense oligonucleotide targetted to hIbeta4BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New antisense compound targeted to a region of a nucleic acid encoding human Integrin beta 4 binding protein and that inhibits expression of the nucleic acid, for treating e.g. cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Bennett
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                                                                                                                                                                                     standard;
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Pred. No. 1
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ABL94252
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31-MAY-1995;
26-NOV-1996;
07-JUL-1997;
                                                                                                                                                                                         immunity; Th1 response; female fertility; gluconeogenesis; ovarian; cancer; tumour formation; type II; diabetes; infection; inflammation; expression inhibition; phosphorothicate; antisense oligonucleotide; ss
                                                                                                                                                                                                                                   Human; C/EBP beta; CCAAT/enhancer-binding protein beta; C/EPB2; LAP; TCF5; CRP2; NFIL6; IL6DBP; NF-M; AGP/EBP; Agc/EBP; transcription factor; tissue development; cellular function; proliferation; differentiation; hormone responsiveness; oxidative stress response; IL-6 signaling mediator; interleukin-6; carbohydrate metabolism;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present invention relates to novel antisense oligonucleotides which are targetted to nucleic acids encoding human raf proteins and capable o inhibiting raf expression. The invention also relates to methods of inhibiting hyperproliferation of cells which involves contacting the hyperproliferating cells with a therapeutically effective amount of an oligonucleotide of the invention. The method is useful for treating cancer, anglogenesis or neovascularisation, especially ocular anglogenesis or neovascularisation. The present DNA sequence is human rakinase related antisense oligonucleotide
                                                                                                                                                                                                                                                                                                                          Human C/EBP beta phosphorothioate antisense oligonucleotide, SEQ ID:18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence
                                                                                                                Key
modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Treating cancer, angiogenesis or neovascularization by administering antisense oligonucleotides targeted to human raf sequences.
                                                          modified_base
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28-AUG-1998;
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95W0-US007111.
96US-00756806.
97US-00888982.
98W0-US013961.
98US-00143214.
/mod_base= OTHER
/note= "2'-methoxyethyl (2'-MOE) nucleotides.
cytosines are 5-methylcytosine"
                                                                         /note= "Phosphorothioate linkages"
                                                                                                                                  Location/Qualifiers
                                              '*tag=
                                                                                         /*tag= a
/mod_base= OTHER
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85.0%;
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Pred. No. 1.
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ABK49833
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DE Hum
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KW Hum

15-JUL-2002

(first

entry)

Human; 88; ADAMTS; cytostatic; antidiabetic; antirheumatic;

Human ADAMTS protein sequencing primer pcDNA-S1

RESULT 192

ABK49833 standard;

DNA;

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                                  S
                                                                                                                                                       CC gene, which inibit it its expression. The antisense oligonucleotides were considered to target different regions of the human and/or mouse C/EBP alpha RNA, and were analysed for their effect on C/EBP alpha RNA levels by quantitative real-time PCR. The C/EBP family of proteins are a family conformal trissue development, cellular function, cellular control normal trissue development, cellular function, cellular control normal trissue development, cellular function, cellular CC proliferation and functional differentiation. C/EBP beta (also known as CC C/EBP2, LAP, TCP5, CRP2, NFIL6, IL6DBP, NP-M, ACP/EBP beta (also known as CC C/EBP2, LAP, TCP5, CRP2, NFIL6, IL6DBP, NP-M, ACP/EBP beta (also known as CC C/EBP2, LAP, TCP5, CRP2, NFIL6, IL6DBP, NP-M, ACP/EBP beta (also known as cc construction) as mediator of IL-6 (interleukin-6) signalling. C/EBP beta is companied to be involved in carbohydrate metabolism, immunity, the Thick response, female fertility and gluconeogenic pathways. C/EBP beta is componse, female fertility and gluconeogenic pathways. C/EBP beta is componse of the liver, lung, spleen, kidney, brain, and teatis, with the highest expression found in the lung. It is also expressed at a higher compared with normal ovarian tissue, compared with normal ovarian tissue, compared with normal ovarian the control of the conditions associated with C/EBP beta expression, such as cancer conditions associated with C/EBP beta expression, diabetes (particularly ovarian cancer), tumour formation, diabetes (particularly ovarian), tumour formation.
                                                                        Query Match
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Matches 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Novel antisense compound targeted to nucleic acids encoding human or mouse CCAAT/enhancer binding protein (C/EBP) beta, useful in vitro finhibiting expression of human or mouse C/EBP beta in cells/tissues.
                                                                                                                                                     Sequence 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequences ABL94252-ABL94476 represent antisense oligonucleotides targeted to the human or mouse CCAAT/enhancer-binding protein alpha (C/EBP alpha)
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                                                                                                                                                                                       II diabetes), infection, or inflammation
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                                                                                               Similarity
  CTGCTGCCGCCGCTGCCGGG
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                                                                                                                                                     BP; 0 A; 9 C; 8 G; 3 T; 0 U; 0 Other;
                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2000US-00593711
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/*tag=
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/note= "2'-methoxyethyl (2'-MOE) nucleotides. All
cytosines are 5-methylcytosine"
                                                                                             0.6%;
                                                                          0;
                                                                                             Score 15.2;
Pred. No. 1
20
                                    40
                                                                            Mismatches
                                                                                               .4e+02;
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                                                                                                                 1:
                                                                                                               Length 20;
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The invention relates to a polypeptide belonging to the ADAMTS family is selected from sequences appearing as AAU79496, AAU79497 and AAU79499, a CC protein that contains the polypeptide, a protein having not less than 50% CC homology with the amino acid sequence of the polypeptides or a cids deleted, substituted, added or inserted. Also included are the cc polypucleotides encoding the polypeptides for their complementary strands or variants), a recombinant vector containing any of the polypeptide, complementary strands creating the polypeptide by culturing the polypeptide or variants, an antibody that can recognize the polypeptide, protein or peptide and screening compounds to promote or inhibit activity of the colypeptide and screening compounds to promote or inhibit activity of the polypucleotide by using the polypeptide, protein, or to promote or inhibit expression of the polynucleotide by using the polypeptide, protein, peptide, the crivity by messence of a test compound for contact before evaluating the activity by measuring signal changes. The polypeptide and encoded gene are applicable in diagnosis and screening compounds for drug compositions in treating diseases due to neovascularisation, diabetic omentopathy, chronic compound for contact before evaluating the activity by mentorial arthritis, angioma, refractory skin and gastric ulcers and post-operative healing failure, including gene therapy. The gene encoding such polypeptide has conserved reprolysin-type ZN- metalloprotease conserved reprolysin-type ZN- metalloprotease in the encoded protein is characterised by high expression in ovaries, classically and location of the gene on the SP-syndrome deletion site on chromosome 5p15.2-15.3 (associated with Cri-du-chat syndrome). The present sequence is a sequencing primer for a ADAMTS CDNA sequence
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                                                                                          Query Match
Best Local 9
                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  antiarthritic; antiulcer; vulnerary; neovascularisation; angioma; diabetic omentopathy; chronic rheumatoid arthritis; gene therapy; refractory skin ulcer; gastric ulcer; post-operative healing failure; reprolysin-type 2N-metalloprotease domain; disintegrin-like domain; TSP1; thrombospondin type 1 domain; sexual cycle; tumour; 5P-syndrome deletion; chromosome 5p15.2-15.3; Cri-du-chat syndrome; primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human brain-originated ADAMTS family polypeptide and applicable in diagnosis and screening compounds for treating diseases due to e.g. neovascularization.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11-OCT-2000; 2000JP-00311309.
02-APR-2001; 2001JP-00102905.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Kanzaki
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (KAZU-) KAZUSA DNA RES INST FOUND. (MITS-) MITSUBISHI PHARMA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11-OCT-2001; 2001WO-JP008913
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                                                                                                                                                     Sequence
                                      518
                                                                          1 Similarity
17; Conser
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                                      CACTGATTGCTGGCTCATCG 537
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  CACTGCTTACTGGCTTATCG
                                                                            Conservative
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                                                                                              0.6%;
                                                                                                                                                     6 C; 4 G; 7 T; 0 U; 0 Other;
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                                                                                                              Score
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                                                                              Mismatches
                                                                                                  No.
                                                                                                                15.2;
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RESULT 193

Homo sapiens Synthetic.

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ACF79452
ID ACF7
XX
AC ACF7
AC ACF7
T 18-I
XX
XX
XX
DE Ser1
XX
XX
Glu
XX
KW Glu
KW hum
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Hom
OS Hom
OS Syn
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PN WO2
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The invention relates to a novel vitamin-D3 hydroxylase (VDDH) protein. The polypeptide of the invention demonstrates antipsoriatic and osteopathic activities and may be useful for identifying compounds which modulate the activity or inhibit the expression of vitamin-D3 hydroxylase and thus for treating or preventing hypercalcaemia. Furthermore, the polypeptide may be utilised during gene and antisense therapy, as well as for treating activated vitamin-D3 deficiency disorders such as the control of the control 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PCR primer 3 related to human vitamin-D3 hydroxylase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    18-DEC-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Novel vitamin-D3 hydroxylase protein, useful for identifying modulators of the vitamin-D3 hydroxylation activity of the enzyme.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 08-AUG-2001; 2001JP-00241396
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Unidentified.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       hypoparathyroidism, rickets, psoriasis, osteoporosis and renal insufficiency. The current sequence is that of the PCR primer 3 of the invention which is related to human vitamin-D3 hydroxylase.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
                                                                                                                                                                                                                Serum amyloid A1 modified
                                                                                                                                                                                                                                                                  18-DEC-2003
                                                                                                                                                                                                                                                                                                                  ACF79452;
                                                                                                                                                                                                                                                                                                                                                             ACF79452 standard; DNA;
                                                                                                                                                                   Glucocorticoid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                106 AGCCTCGACGCCGTCCCGGG 125
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17; Conserva
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                                                                                                                                               steroid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BP; 2 A;
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                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                        responsive element;
                                                                                                                                                 responsiveness;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9 C; 7 G; 2 T; 0 U; 0 Other;
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                                                                                                                                                                                                                     promoter GREI
                                                                                                                                                                                                                                                                                                                                                                    ВP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 15.2;
Pred. No. 1
                                                                                                                                               PCR; primer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mismatches
                                                                                                                                                                        GRE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1.4e+02
                                                                                                                                                                     serum amyloid
                                                                                                                                                                                                                          primer GREIF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
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                                                                                                                                                                             SAA1; promoter;
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CC construct GREI (see ACF79439). GREI was used to confirm that a putative glucocorticoid responsive element of SAAI is functional. A method for CC determining steroid responsiveness involves determining, in a tissue, CC body fluid or cell sample from a subject being treated with steroids, the CC RNA expression levels of genes that are known to be, or suspected of CC being, responsive and non-responsive to steroids. The first CC gene is preferably the SAAI gene controlled by a GRE, and the second gene CC is the SAA2 gene; the responses of only the SAAI gene are augmented by CC glucocorticoid administration. The method is applied to subjects being treated with steroids for a very wide range of disease, coronary CC created with steroids for a very wide range of disease, coronary CC detect loss of responsiveness, to detect response when a combination of stimul or drugs is administered and to assess side effects, to evaluate CC subjects for transplantation or steroid therapy, and to determine
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ADD81480/c
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Best Local S
Matches 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Determining steroid responsiveness, useful e.g. for monitoring, or assessing likely success of therapy, comprises measuring relative expression of responsive and non-responsive genes.
                                                                                                                                                    Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present sequence is that of primer GREIF, which was used in the PCR mutagenesis of the human serum amyloid Al (SAA1) gene promoter to produ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       22-JAN-2002; 2002US-00045360
03-APR-2002; 2002US-0370008P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    31-JUL-2003
                                                                                                                                                                               ss; oligonucleotide hybridisation potential; efficient hybridisation;
large array; minimum oligonucleotide synthesis; probe.
                                                                                                                                                                                                                            HIV PRT antisense derived probe #409
                                                                                                                                                                                                                                                             29-JAN-2004
                                                                                                                                                                                                                                                                                                                         ADD81480 standard; DNA; 20 BP
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(SHAN/) SHANNON K W
                            10-FEB-1998;
                                                           15-FEB-2001;
                                                                                                                      US2003054346-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                  1634 CAGCTAACCTCTCTTCTTCC 1653
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                                                                                                                                                    immunodeficiency virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 Similarity
17; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                    CAGCAAACCTCTCTTGTCCC 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                             (first entry)
                                                           2001US-00784674
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PENNSYLVANIA.
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                            98US-00021701
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            85.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 15.2;
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ADD81479/c
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Best Local S
Matches 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      oligonuclectides to hybridise to target nucleotide sequences. The method is useful for predicting the potential of an oligonuclectide to hybridise to a target nucleotide sequence, e.g. RNA or DNA or a sequence that contains chemically modified nucleotides. The method is also useful for predicting the potential of the oligonucleotides to hybridise to a complementary target nucleotide sequence. The method is useful to predict efficient hybridisation oligonucleos for each of multiple target sequences therefore very large arrays may be constructed and tested with minimum synthesis of oligonucleotides. The present sequence represents a HIV PRT antisense derived probe.
                                                                                                                                                                                                                                                                                                                                                                         ADD81479 standard;
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(WEBB/)
                                                                                                      (SHAN/)
                                                                                                                                                                                                                  US2003054346-A1
                                                                                                                                                                                                                                        Human
                                                                                                                                                                                                                                                              ss; oligonucleotide hybridisation potential; efficient hybridisation;
large array; minimum oligonucleotide synthesis; probe.
                                                                                                                                                                                                                                                                                                   HIV PRT
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                                                                                                                                                                                                                                                                                                                                                  ADD81479;
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                     WPI; 2003-743746/70.
                                                                                                                                                                  15-FEB-2001; 2001US-00784674.
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                                                                                            (DELE/)
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                                                                                                                                                                                                                                        immunodeficiency virus
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                                                                  DELENSTARR G
WEBB P G.
KINCAID R H.
                                                                                                       SHANNON K W. WOLBER P K.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.6%;
nilarity 85.0%;
Conservative
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                                             Wolber
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                                                                                                                                         98US-00021701
                                                                                                                                                                                                                                                                                                                                                                           DNA;
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Pred. No. 1.4e+02;
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Predicting potential of oligonucleotides to hybridize to target

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Best Local Similarity
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Miller S,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; antisense; lung dysfunction; nasal airway dysfunction; antiinflammatory steroid; ubiquinone; antiinflammatory; antiallergic; antiasthmatic; hypotensive; immunosuppressive; cytostatic; gene therapy; antisense gene therapy; respiratory; lung; adenosine sensitivity; adenosine receptor; bronchodilation; bronchoconstriction; lung allergy; lung inflammation; respiratory disease; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             nucleotide sequence comprises determining and evaluating for each oligonucleotide a parameter predictive of the oligonucleotides ability to hybridize with target.
The invention relates to a novel pharmaceutical composition, which has first active agent comprising an oligonucleotide antisense to the initiation codon, coding region, 5' or 3' end genomic flanking regions.
                                                                                                                    Pharmaceutical composition for treating ailments associated with impaired respiration, has oligo(s) antisense to specific gene(s) or its corresponding RNAs, and glucocorticoid or non-glucocorticoid steroid or
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Pred. No. 1.4e
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RESULT 198
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Best Local
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ΥS,
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L, Shahabuddin
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The invention relates to a novel pharmaceutical composition, first active agent comprising an oligonucleotide antisense t initiation codon, coding region, 5' or 3' end genomic flanki

flanking regions,

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which has

Disclosure; SEQ ID NO 7156; 872pp; English

Pharmaceutical composition for treating ailments associated with impaired respiration, has oligo(s) antisense to specific gene(s) or its corresponding RNAs, and glucocorticoid or non-glucocorticoid steroid or

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RESULT 199
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CC Note: The sequence data for this patent is not represented in the printed specification, but was obtained in electronic format directly from WIPO as ferrowers.
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Best Local Similarity
Matches 17; Conserv
                                                                                                                           Pharmaceutical composition for treating ailments associated with impaired respiration, has oligo(s) antisense to specific gene(s) or its corresponding RNAs, and glucocorticoid or non-glucocorticoid steroid or
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L, Shahabuddin S;
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The invention relates to a novel pharmaceutical composition, which has first active agent comprising an oligonucleotide antisense to the initiation codon, coding region, 5' or 3' end genomic flanking regions

SEQ

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NO 8258; 872pp;

English

Novel antisense oligonucleotide which is targeted to mRNA encoding human raf and which is capable of inhibiting raf expression, useful for treating or preventing hyperproliferative conditions such as cancer.

The invention relates to an oligonucleotide

8-50 nucleotides in length

Disclosure; Page 31; 42pp; English

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RESULT 200
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ID ACD421
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Best Local
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31-MAY-1995;
26-NOV-1996;
07-JUL-1997;
06-JUL-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Antisense; c-raf; a-raf; b-raf; protein kinase; cancer; ss; signal transduction; cell proliferation; lung carcinoma; cycostatic; antisense gene therapy; chemotherapeutic agent; angiogenesis; hyperproliferative condition; neovascularisation; ocular angiogenesis.
                                                                                                                                                                                                            28-AUG-1998;
18-FEB-2000;
                                                                                                                    WPI; 2003-503332/47.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human raf-associated antisense oligonucleotide #13
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95WO-US007111.
96US-00756806.
97US-00888982.
98WO-US013961.
98US-00143214.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DNA;
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Pred.
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CC which is targeted to mRNA encoding human c-raf, a-raf or b-raf (raf is a protein kinase playing a regulatory role in signal transduction, cregulating cell proliferation and has been implicated in lung carcinoma), can which is capable of inhibiting raf expression. Also included is a composition comprising the oligonuclectide and a pharmaceutically carciptable carrier. The antisense oligonuclectide is useful for composition the expression of human raf in human cells or tissues, by contacting the human cells or tissues with the oligo. The oligo. is also is useful for treating or preventing a disease or condition associated with the expression of raf by administering it in combination with a chemotherapeutic agent to a human or cells of the human, where the concentrative condition such as cancer, angiogenesis or neovascularisation (preferably ocular angiogenesis or neovascularisation). The oligo. is also useful for inhibiting hyperproliferation and preferably ocular angiogenesis or neovascularisation of cells. The oligos are also useful as tools, for example for detecting and determining the role of raf expression in conditions and physiological processes and conditions and for various cell functions and physiological processes and conditions and for in the general for interesting but not mentioned alsowers of the preferation of the necession and for the purposes. The present sequence is an antisense oligonucleotide included in the general first or mentioned alsowers of the preferation.
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            Pharmaceutical composition for treating asthma, has antisense oligonucleotide containing less percentage of adenosine, targeted to nucleic acids associated with lung airway or lung dysfunction, and
                                                                                                               WPI; 2003-093058/08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human; antisense; bronchoconstriction; allergy; hyposecretion; pain; respiratory tract inflammation; adenosine sensitivity; lung; cancer; surfactant depletion; antiallergic; antiinflammatory; antiasthmatic; analgesic; hypotensive; immunosuppressive; cytostatic; cystic fibrosis; beta-adrenergic agonist; respiratory disease; pulmonary vasoconstriction; respiratory distress syndrome; allergic rhinitis; pulmonary hypertension; emphysema; chronic obstructive pulmonary disease; cancer; bronchitis; pulmonary transplantation rejection; ss; primer.
                                                                                                                                                                                                                                                                            24-APR-2001; 2001US-0286036P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens.
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Tang
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L, Shahabuddin
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Pred. No. 1.4e+02;
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    Length 20;

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CC expression of a target polypeptide associated with lung airway or lung dysfunction or cancer and can be anti-sense to the corresponding mRNA.

CC The invention also describes a kit, that comprises: (a) a delivery composition also describes a kit, that comprises: (b) a delivery composition also describes a kit, that comprises: (c) adelivery composition for also describes (c) the oligonucleotides, (c) instructions for adding a carrier and for use of the kit. The composition composition are an algorithms and cytostatic activity, is a composition of the invention has antiallergic, antiinflammatory, antiasthmatic, composition comprises oligo and is administered to reduce the production composition comprises oligo and is administered to reduce the production or availability, or to increase the degradation of the target mRNA or to composition, and/or bronchoconstriction and/or lung complete amount of target polypeptide present in the lungs. The composition, and/or bronchoconstriction and/or lung complete associated with a disease or condition such as pulmonary vasoconstriction are associated composition, allergies and/or surfactant hypoproduction are associated inflammation, allergies, asthma, impeded respiration, respiratory composition, allergies, asthma, impeded respiration, respiratory composition, allergies, asthma, impeded respiration, respiratory composition, and position and position obstructive pulmonary disease, pulmonary transplantation repection, pulmonary infections, bronchitis or cancer.

CC transplantation rejection, pulmonary infections, bronchitis or cancer.

CC transplantation rejection, pulmonary infections, bronchitis or cancer.

CC transplantation rejection to the system of the oligonucleotides into products that free adenosine into the system of the coligonucleotides into products that free adenosine into the system of the products that free adenosine 
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      Sequence
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20 BP; 9
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A; 2 C; 1 G; 8 T; 0 U;
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0 Other;
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Ś Query Match Best Local·S Matches 17 Local Similarity 2388 TATATGCCTTGAAAATAAAT 2407 ۳ TATATGCCTTTTAAAAAAAT 20 0.6%; <u>.</u> Score 15.2; Pred. No. 1 Mismatches .4e+02 DB 1; Length 20; Indels 0; 0

ABD29246 standard; DNA; 20

H16833-derived oligonucleotide

SEQ ID 8258.

29-JUL-2004 (first entry)

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Human; antisense; bronchoconstriction; allergy; hyposecretion; pain; respiratory tract inflammation; adenosine sensitivity; lung; cancer; surfactant depletion; antiallergic; antiinflammatory; antisthmatic; analgesic; hypotensive; immunosuppressive; cytostattic; cystic fibrosis; beta-adrenergic agonist; respiratory disease; pulmonary vasoconstriction; respiratory distress syndrome; allergic rhinitis; pulmonary hypertension; emphysema; chronic obstructive pulmonary disease; cancer; bronchitis; 23-APR-2002; 2002WO-US013143 31-OCT-2002. pulmonary transplantation rejection; ss; primer.

24-APR-2001; 2001US-0286036P

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RESULT 203
ABD29302
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Best Local S
Matches 17
Human; antisense; bronchoconstriction; allergy; hyposecretion; pain; respiratory tract inflammation; adenosine sensitivity; lung; cancer; surfactant depletion; antiallergic; antiinflammatory; antiasthmatic; antigesic; hypotensive; immunosuppressive; cytostatic; cystic fibrosis; beta-adrenergic agonist; respiratory disease; pulmonary vasoconstriction respiratory distress syndrome; allergic rhinitis; pulmonary hypertensions.
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                                                                                                                                       AA644211-derived oligonucleotide
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                                                                                                                                                                                                                                                      ABD29302 standard;
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     pulmonary vasoconstriction;
is; pulmonary hypertension;
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(A) or (A) receptors,
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RESULT 204 ADK71763/c ID ADK717 XX

ADK71763

standard;

DNA;

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Comprising oligonucleotides, effective for alleviating
Creducing adenosine sensitivity, levels of adenosine (A) or (A) receptors,
Creducing adenosine sensitivity, levels of adenosine (A) or (A) receptors,
Creducing adenosine sensitivity, levels of adenosine (A) or (A) receptors,
Creducing adenosine sensitivity, levels of adenosine (A) or (A) receptors,
Crediction or hyposecretion, when administered to a mammal. The
Crediction or cancer and can be anti-sense to the corresponding mRNA.
Crediction or cancer and can be anti-sense to the corresponding mRNA.
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Crediction or cancer and can be anti-sense to the corresponding mRNA.
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Crediction or cancer and can be anti-sense to the corresponding mRNA.
Crediction or cancer and for use of the kit. The composition
Crediction of the invention has antiallergic, antiinflammatory, antiasthmatic,
Crediction of the composition is useful for preventing or
Crediction of the transfer manual or malignant disease. The administered
Crediction of the transfer to reduce the production
Crediction of the transfer to reduce the production
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Crediction of the production and/or lung
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                                                                                                                                                Sequence
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                                                                    0.6%; Score 15.2; ilarity 85.0%; Pred. No. 1 Conservative 0; Mismatche
                                                                                                                                                                                      unwanted
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                                                                                                              20;
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                                                                        Gaps
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RESULT 205
ADK97267
ID ADK972
XX ADK972
XX ADK972
XX O6-MAY
XX Primer
XX human;
XX human;
XX JP2003
XX JP2003
XX JP2003
XX JP2003
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                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local
                                                                                                                                                                                                                                                                                                                           Matches
                                                                                                                                         06-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                 Sequence 20
                                                                                                                                                                                                                                                                                                                                                                                                       polynucleotides. The polynucleotide encodes an ABA (abscisic acid) mediated phosphorylation-regulated RNA binding protein, AKIP1. The encoded protein is a substrate for phosphorylation by an ABA-activated protein kinase or AAPK. The protein's ability to interact with RNA is altered upon phosphorylation. The binding affinity for RNA increases upon phosphorylation. The nucleic acid molecule and the encoded protein is useful in producing plants with improved response to stresses including cold, heat, salinity, synthetic and natural chemical agents, viral, fungal and bacterial pathogens and drought. The present sequence represents a PCR primer used in a three prime end amplification method.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New AKIP1 nucleic acids and proteins, useful in producing plants with improved response to stresses including cold, heat, salinity, synthetic and natural chemical agents, viral, fungal and bacterial pathogens and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2004-157117/15.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AKIP1; RNA-binding protein; ABA; abscisic acid; ABA-activated protein kinase; AAPK; plant protectant; plant; transgenic;
  16-SEP-2003
                             JP2003259875-A
                                                                                                             Primer of the invention #2987.
                                                                                                                                                                     ADK97267;
                                                                                                                                                                                                ADK97267 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example; Page 38; 106pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Assmann
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              01-AUG-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        01-AUG-2003; 2003WO-US024197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PCR primer used in a three prime end amplification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         06-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADK71763;
                                                                                   human;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to plant RNA-binding proteins and encoding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO2004013295-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (PENN-) PENN STATE RES FOUND
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                                                                                                                                                                                                                                                                                               1576 CACTTCCAGCTTGCCCTGTT 1595
                                                                                                                                                                                                                                                                     20
                                                                                                                                                                                                                                                                                                                        17;
                                                                                   single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SM,
                                                                                                                                                                                                                                                                                                                                       Similarity
                                                                                                                                                                                                                                                                   CACTTCCACCGTACCCTGTT 1
                                                                                                                                                                                                                                                                                                                                                                               BP; 6 A; 2 C; 9 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mansfield JL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first
                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2002US-0400549P
                                                                                    nucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         entry)
                                                                                                                                                                                                                                                                                                                                    0.6%;
                                                                                 polymorphism;
                                                                                                                                                                                                BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Kinoshita T,
                                                                                                                                                                                                                                                                                                                                       Score 15.2;
Pred. No. 1.
                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                   SNP;
                                                                                                                                                                                                                                                                                                                                       1.4e+02;
                                                                                                                                                                                                                                                                                                                                                    DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Shimazaki
                                                                                88;
                                                                                 primer.
                                                                                                                                                                                                                                                                                                                                                  Length 20;
                                                                                                                                                                                                                                                                                                                         Indels
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RESULT 206
ADK95115
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Best Local S
Matches 17
                      The present invention relates to a polynucleotide isolated from a human gene and is useful for detecting a single nucleotide polymorphism in a human gene or for diagnosing of disease. The invention enables the detection of a single nucleotide polymorphism in a human gene. The present sequence represents a primer of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present invention relates to a polynucleotide isolated from a gene and is useful for detecting a single nucleotide polymorphism human gene or for diagnosing of disease. The invention enables the detection of a single nucleotide polymorphism in a human gene. The present sequence represents a primer of the invention.
 Sequence
                                                                                                                             Novel polynucleotide useful for PCR amplification along with two fragment from another set of sequences, or for detecting single nucleotide polymorphism in human gene.
                                                                                                                                                                                                                                                                                                                                                                                                                   06-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADK95115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 20 BP; 6 A; 3 C; 9 G; 2 T; 0 U; 0 Other;
                                                                                                     Claim 2; SEQ ID NO 4144; 2627pp; Japanese.
                                                                                                                                                                                                                                   08-MAR-2002; 2002JP-00064373
                                                                                                                                                                                                                                                             08-MAR-2002; 2002JP-00064373
                                                                                                                                                                                                                                                                                       16-SEP-2003.
                                                                                                                                                                                                                                                                                                               JP2003259875-A.
                                                                                                                                                                                                                                                                                                                                         Synthetic
                                                                                                                                                                                                                                                                                                                                                                                           Primer of the
                                                                                                                                                                                                                                                                                                                                                                                                                                            ADK95115;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 2; SEQ ID NO 6296; 2627pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     nucleotide polymorphism in human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         08-MAR-2002; 2002JP-00064373
                                                                                                                                                                                WPI; 2004-093977/10
                                                                                                                                                                                                                                                                                                                                                                human; single nucleotide polymorphism; SNP; ss; primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Novel polynucleotide useful for PCR amplification along with two DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2004-093977/10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   08-MAR-2002; 2002JP-00064373
                                                                                                                                                                                                          (KAGA-) KAGAKU GIJUTSU SHINKO JIGYODAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ragment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            754 GCACAGAGGCCACAGAAGTG 773
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Similarity
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 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GCAGAGTGGCCAGAGAAGTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                from another set of sequences, or for detecting single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                         invention
  4
 A;
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8 C; 3
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 Ή,
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0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20;
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Query Match

0.6%;

Score

15.2;

DB 1;

Length 20;

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RESULT 207
ADJ26887
ID ADJ26887
XX ADJ268
XX ADJ268
XX ADJ268
XX ADJ268
XX ADJ268
XX Human
XX Centrc
KW Cytost
KW Cytost
KW Cytost
KW Cytost
KW Cytost
KW ISJ00:
XX Homo :
XX Ho
                                                          RESULT 208
ADJ26847/c
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                                                                                                                                                                                                      Query Match
Best Local Similarity
Matches 17; Conser
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Matches
   ADJ26847;
                                      ADJ26847 standard; DNA;
                                                                                                                                                                                                                                                                                                                                 The present invention relates to antisense compounds, compositions and methods for modulating the expression of Centromere protein B. The compound, composition and methods are useful for treating diseases or conditions associated with Centromere protein B, such as hyperproliferative disorders (e.g. cancer), autoimmune disorders e.g. rheumatoid arthritis, scleroderma, Raynaud's syndrome or systemic lupus erythematosus. The invention is also useful in gene therapy. The present sequence is human Centromere protein B target DNA fragment used in the
                                                                                                                                                                                                                                                                                    Sequence 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New antisense oligonucleotide targeted to a nucleic acid encoding Centromere protein B, useful for treating a disease, e.g. cancer, rheumatoid arthritis, scleroderma, Raynaud's syndrome or systemic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Centromere protein B; hyperproliferative disorder; cancer; autoimmune disorder; rheumatoid arthritis; scleroderma; Raynaud's syndrome; systemic lupus erythematosus; gene therapy; cytostatic; immunosuppressive; dermatological; antiinflammatory;
                                                                                                                                                                                                                                                                                                                       exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 15; SEQ ID NO 56; 47pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Bennett CF,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18-JUN-2002; 2002US-00176277.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       18-DEC-2003
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nes 17; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             sapiens.
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                                                                                                                                                                     TCACGGAGGACCTGCGCTGT
                                                                                                                                    TCACGGAGGCCCTGCACTTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CTGGATCCAACATCCTTGCC 20
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                                                                                                                                                                                                                                                                                  BP; 3
                                                                                                                                                                                                          Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein B target DNA fragment
                                                                                                                                                                                                                                                                            A; 7 C; 5 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                        0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   85.0%;
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                                      ВP
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                                                                                                                                                                                                                         Score 15.2;
Pred. No. 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pred. No. 1.4e+02;
); Mismatches 3;
                                                                                                                                    20
                                                                                                                                                                     327
                                                                                                                                                                                                          Mismatches
                                                                                                                                                                                                                           .4e+02
                                                                                                                                                                                                                                             DB 1;
                                                                                                                                                                                                                                         Length 20;
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                                                                                                                                                                                                                        RESULT 209
ADJ26884
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Matches
                                                                                                                    Query Match
                                                                                                                                                                                              hyperproliferative disorders (e.g. cancer), autoimmune disorders e.g. rheumatoid arthritis, scleroderma, Raynaud's syndrome or systemic lupus erythematosus. The invention is also useful in gene therapy. The present sequence is human Centromere protein B antisense oligonucleotide used in the exemplification of the invention.
                                                                                                                                                           Sequence
                                                                                                                                                                                                                                                                                            The present invention relates to antisense compounds, compositions methods for modulating the expression of Centromere protein B. The composition and methods are useful for treating diseases completely associated with Centromere protein B, such as
                                                                                                                                                                                                                                                                                                                                                                                                Example 15; SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                       erythematosus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        New antisense oligonucleotide targeted to a nucleic acid encoding Centromere protein B, useful for treating a disease, e.g. cancer, rheumatoid arthritis, scleroderma, Raynaud's syndrome or systemic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Bennett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Centromere protein B; hyperproliferative disorder; cancer; autoimmune disorder; rheumatoid arthritis; scleroderma; Raynaud's syndrome; systemic lupus erythematosus; gene therapy; cytostatic; immunosuppressive; dermatological; antiinflammatory; human; antisense; phosphorothioate backbone; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 18-JUN-2002; 2002US-00176277.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US2003232443-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         modified_base
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Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (ISIS-) ISIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          18-JUN-2002; 2002US-00176277.
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                                                                                                    Local
                                      1121 ATGGGTCCAGAAGAAGTTCC 1140
20
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                                                                             l Similarity
17; Conserv
                                                                                                                                                         20 BP; 2
    AGGGCTCCAGAAGAAGGTCC
                                                                           0.6%;
nilarity 85.0%;
Conservative
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/note= "Phosphorothioate
5-methylcytidines"
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/note= "2'-methoxyethyl
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                                                                                                                                                         A; 7 C; 5 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                              NO 16; 47pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | base=
| e= "2'.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHERmethoxyethyl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 antisense oligonucleotide,
                                                                             0
                                                                                                Score 15.2;
Pred. No. 1.
                                                                               Mismatches
                                                                                                                                                                                                                                                                                                                                                                                              English.
                                                                                            1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (2'-MOE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  backbone where
                                                                                                                  DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  -MOE)
                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  nucleotides"
                                                                             Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                  or.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          systemic
                                                                             0,
                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                        lupus
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RESULT 210
ADJ26851/c
ID ADJ268
XX
AC ADJ268
XY
T 20-MAY
XX
TX
Centro
KW Centro
KW Raynau
KW Raynau
KW Cytost
KW antise
                                                                                                                                                                                                                                                                    吊
                                                                                                                                                                                                     S
                                                                                                                                                                                                                          Query Match
Best Local S
Matches 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Centromere protein B; hyperproliferative disorder; cancer; autoimmune disorder; rheumatoid arthritis; scleroderma; Raynaud's syndrome; systemic lupus erythematosus; gene the
Centromere protein B; hyperproliferative disorder; cancer; autoimmune disorder; rheumatoid arthritis; scleroderma; Raynaud's syndrome; systemic lupus erythematosus; gene therapy; cytostatic; immunosuppressive; dermatological; antiinflammatory; human; antisense; phosphorothioate backbone; ss.
                                                                                                                                                                                                                                                                                                methods for modulating the expression of Centromere protein B. The compound, composition and methods are useful for treating diseases or conditions associated with Centromere protein B, such as hyperproliferative disorders (e.g. cancer), autoimmune disorders e.g. rheumatoid arthritis, scleroderma, Raynaud's syndrome or systemic lupus erythematosus. The invention is also useful in gene therapy. The present sequence is human Centromere protein B target DNA fragment used in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADJ26884;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADJ26884 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                             New antisense oligonucleotide targeted to a nucleic acid encoding Centromere protein B, useful for treating a disease, e.g. cancer, rheumatoid arthritis, scleroderma, Raynaud's syndrome or systemic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              18-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US2003232443-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cytostatic;
                                                                                                                                                                                                                                                                    Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     18-JUN-2002; 2002US-00176277
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          18-JUN-2002; 2002US-00176277
                                                                Human Centromere
                                                                                      20-MAY-2004
                                                                                                                              ADJ26851
                                                                                                                                                                                                                                                                                        exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                               Example 15; SEQ ID NO 53; 47pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                       1121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2004-052175/05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       sapiens.
                                                                                                                                                                                   Н
                                                                                                                                                                                                                          l Similarity
17; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CF,
                                                                                                                                                                                                       ATGGGTCCAGAAGAAGTTCC 1140
                                                                                                                                                                                                                                                                    20
                                                                                                                               standard;
                                                                                                                                                                                    AGGGCTCCAGAAGAAGGTCC 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     yndrome; systemic lupus erythematosus; gene therapy;
immunosuppressive; dermatological; antiinflammatory;
                                                                                                                                                                                                                                                                    B₽;
                                                                                                                                                                                                                                                                                                                                                                 invention relates to antisense compounds, compositions modulating the expression of Centromere protein B. The
                                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Dobie KW;
                                                                                    (first entry)
                                                                                                                                                                                                                                                                    6 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         protein
                                                                 protein B antisense oligonucleotide,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DNA;
                                                                                                                               DNA;
                                                                                                                                                                                                                                     0.6%;
                                                                                                                                                                                                                                                                    5 C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20
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                                                                                                                                                                                                                                                                    7 G; 2 T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         target DNA fragment
                                                                                                                                                                                                                            0;
                                                                                                                                                                                                                                     Score 15.2;
Pred. No. 1.
                                                                                                                                                                                                                                                                                                                                                                                               English
                                                                                                                                                                                                                             Mismatches
                                                                                                                                                                                                                                                                    0 U;
                                                                                                                                                                                                                                     DB 1;
.4e+02;
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                                                                                                                                                                                                                                                                     Other;
                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                             Indels
                                                                 SISI
                                                                                                                                                                                                                                                                                                                                                                                                                               systemic
                                                                                                                                                                                                                             0
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                                                                                                                                                                                                                                                                                                                                                                                                                               lupus
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RESULT 211
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                                                                                                                                                                                                                                                                                                                                                                                                                                    The present invention relates to antisense compounds, compositions methods for modulating the expression of Centromere protein B. The compound, composition and methods are useful for treating diseases conditions associated with Centromere protein B, such as hyperproliferative disorders (e.g. cancer), autoimmune disorders e. rheumatoid arthritis, scleroderma, Raynaud's syndrome or systemic lerythematosus. The invention is also useful in gene therapy. The prequence is human Centromere protein B antisense oligonucleotide us sequence is human Centromere protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens.
Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New antisense oligonucleotide targeted to a nucleic acid encoding
Centromere protein B, useful for treating a disease, e.g. cancer,
rheumatoid arthritis, scleroderma, Raynaud's syndrome or systemic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Bennett CF, Dobie KW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              18-JUN-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              18-JUN-2002; 2002US-00176277.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US2003232443-A1
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                                                                                                                                                                                                                                                                                                                                                                                      Sequence 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 15; SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   erythematosus.
                                                                                     20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 18-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            nodified_base
                                                 Antisense DNA oligo used to
                                                                                                                                                         ADJ18833 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                       the exemplification
                                                                                                                                                                                                                                                                                                                                     Local
                                                                                                                                                                                                                                                                            308 TCACGGAGGACCTGCGCTGT 327
                                                                                                                                                                                                                                                                                                                  17;
                                                                                                                                                                                                                                                                                                                                     Similarity
                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                        BP; 5 A; 5 C; 7 G; 3 T; 0 U;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2002US-00176277
                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /mod_base= OTHER
/note= "2'-methoxyethy1
16. .20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            \mathtt{not}\overline{\mathtt{e}}\mathtt{=} "Phosphorothioate backbone where all cytidines are -methylcytidines"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                mod_base=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NO 20; 47pp; English.
                                                                                                                                                           DNA:
                                                                                                                                                                                                                                                                                                                                                                                                                          o
H
                                                                                                                                                                                                                                                                                                                                   0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "2'-methoxyethyl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       a
                                                                                                                                                           20
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                                                                                                                                                           ВP
                                                                                                                                                                                                                                                                                                                                                                                                                          invention.
                                                                                                                                                                                                                                                                                                                    0
                                                    modulate human LRH1 expression SeqID 3383.
                                                                                                                                                                                                                                                                                                                                     Score 15.2;
Pred. No. 1
                                                                                                                                                                                                                                                                                                                      Mismatches
                                                                                                                                                                                                                                                                                                                               2; DB 1;
1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (2'-MOE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2'
                                                                                                                                                                                                                                                                                                                                                                                          0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            -MOE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          nucleotides"
                                                                                                                                                                                                                                                                                                                                                                                                                                       ene therapy. The present oligonucleotide used in
                                                                                                                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              disorders e.g.
                                                                                                                                                                                                                                                                                                                                                          20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         systemic lupus
                                                                                                                                                                                                                                                                                                                      0
                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 lupus
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human; ss; liver related homologue-1; LRH1; NR5A2; antisense; phosphorothioate; 2' MOE; breast cancer; dyslipidaemia; ather

atherosclerosis;

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the expression of liver related homologue-1 (LRH1) and splice variants thereof. Specifically, it refers to compositions 8-30 nucleobases in clearly that target a portion of an active site on the nucleic acid molecule encoding LRH1 (also known as NR5A2). LRH1 is a monomeric orphan nuclear receptor protein that functions as a tissue specific transcription factor. The present invention describes antisense coligonucleotides that comprise at least one modified internucleoside coligonucleotides that comprise at least one modified nucleobase, a 5-methylytidine. These antisense compounds are useful for treating or diagnosing a disease associated with LRH1, such as breast cancer, dyslipidaemia, atherosclerosis, low HDL (high density lipoprotein), high till (low density lipoprotein), hoperthis, as well as hepatocellular carcinoma or a condition associated with LRH2, such as breast cancer, triglyceridaemia, obesity, hepatitis B virus-mediated acute or chronic hepatitis, as well as hepatocellular carcinoma or a condition associated with LRH2, these compositions exhibit
Query Match
Best Local S
Matches 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 gall stone; triglyceridaemia; obesity; nepattis, antilipaemia; hepatocellular carcinoma; aromatase; cytostatic; antilipaemia; antiarteriosclerotic; anorectic; hepatotropic; litholytic;
                                                                                                                                                                      with aromatase activity. Accordingly, these compositions exhibit cytostatic, antilipaemic, antiarteriosclerotic, anorectic, hepatlitholytic, antiinflammatory and virucidal activities. This oligonucleotide sequence is an antisense DNA oligo used to modul expression of the human LRHI protein of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New antisense oligonucleotides targeted to a nucleic acid encoding related homologue-1 (LRH1), useful for treating breast cancer, dyslipidemia, atherosclerosis, hypercholesterolemia, or hepatitis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2004-083058/08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           01-JUL-2002; 2002US-0392813P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-JUL-2003; 2003WO-US020865
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens
                                                                                                                  Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             This invention relates to novel antisense compounds useful for modulating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Kane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (PHAA ) PHARMACIA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               G
   . Similarity
17; Conserv
                                                                                                                  20
                                                                                                                  B₽;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQ ID
                                                                                                                  4 A;
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/note= "OTHER= 2' methoxyethyl (2' MOE) nucleotides.
cytidine nucleobases are 5-methylcytidine."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cytidine nucleobases 16. .20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NO 3383; 909pp; English
                           85.0%;
                                                                                                                  4 C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              _base= OTHER
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                                                    0.6%;
                                                                                                                  4 G;
   0
                           Score 15.2; DB 1; Pred. No. 1.4e+02;
                                                                                                                  8 T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2' methoxyethyl (2' MOE) nucleotides. All
obases are 5-methylcytidine."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     phosphorothioate backbone
                                                                                                                  ou;
                                                                                                                  0 Other;
                                                       Length 20;
   Indels
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                                                                                                                                                                                                        modulate the
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Gaps
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RESULT 212
ADJ24083
ID ADJ240
XX Human
XX Human;
XW Antill
XW Human;
XW Cardio
XX Homo 8
OS Synthe
XX Synthe
XX WO2004
XX WO2004
XX WO2004
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XX WPI; 2
XX PI Bhat E
XX WPI; 2
XX WPI; 2
XX New ar
PI N
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                                                                                                                                      Query Match
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                                                                                                                                                                                                                                                                    The present invention relates to antisense oligonucleotides (ADJ21603-ADJ25510) targeted to human Endothelial Lipase (EL) coding sequence (ADJ25517), where the antisense oligonucleotide specifically hybridises with and inhibits the expression of EL. The antisense oligonucleotides are useful for modulating the expression of endothelial lipase in cells or tissues to treat diseases associated with EL expression, such as dyslipidaemia, low high density lipoprotein (HDL), cardiovascular disorder or metabolic syndrome x. In addition, the oligonucleotides are used for diagnostics, prophylaxis, or as research reagents or kits.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New antisense oligonuclectide for modulating endothelial lipase expression, for diagnosing, preventing or treating e.g. dyslipidemia, high density lipoprotein or cardiovascular disorders.
                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Antilipaemic; Cardiovascular; Analgesic; Antianginal; Antisense therapy; Human; Endothelial Lipase; dyslipidaemia; high density lipoprotein; HDL; cardiovascular disorder; metabolic syndrome X; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 3; SEQ ID NO 2481; 1007pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human endothelial lipase antisense oligonucleotide, SEQ ID 2481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20-MAY-2004
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                                                  2242 AGATTAGTTCCAAAGCAGGT
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AGATTTGCTCCAAAGCAGTT 20
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/note= "This oligonuclectide has a phosphorothicate
backbone and 2-'methyoxyethyl (2'-MOE) wings at the 5'
and 3' ends, which are 4 nuclectides in length. Also all
cytidine residues are 5-methylcytidines"
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                                                                                                                                                                                                                          A; 4 C; 4 G; 6 T; 0 U;
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                                                                                                                                         Score 15.2; DB 1
Pred. No. 1.4e+02
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RESULT 213

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                                                                                                                                                                                                                                                                      The invention relates to antisense compounds, compositions and methods for modulating the expression of selenophosphate synthetase 2 (SPS2). The composition comprises antisense oligonucleotides targeted to SPS2 gene. The antisense oligonucleotide is useful for modulating the expression of SPS2 in cells or tissues to treat diseases associated with their expression, e.g. rheumatoid arthritis, infections, inflammation or tumours. It is also used for diagnostics, prophylaxis, or as research reagents or kits. The antisense oligonucleotide is useful in antisense therapy. The present sequence is an antisense oligonucleotide targeted to human SPS2 DNA. This sequence is used in the exemplification of the
                                                                                                                                                                                                     Sequence 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New antisense oligonucleotides for modulating selenophosphate synt 2 (SPS2) expression, useful for diagnosing, preventing or treating conditions associated with SPS2, e.g. rheumatoid arthritis, inflam
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo
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ilarity 85.0%;
Conservative
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16. .20
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/mod_base= OTHER
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RESULT 214
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Best Local Similarity
Matches 17; Conserv
              chimeric; antisense oligonucleotide; phosphorothioate; human; microsomal prostaglandin E2 synthase; mPGES-1; mPGES-1 inhibitor; microsomal prostaglandin E2 synthase inhibitor; cytostatic; antid
                                                                                                                                                                                                                                                                                                         ADM15359 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 20 BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          inhibiting amount. The endostatin is used in manufacturing a medicament for the treatment of retinal detachment or retinal edema in an individual. The present sequence is a PCR primer, used in an example from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The present invention relates to a method for treating retinal detachment or retinal edema in an individual. The method comprises effecting an increase in the amount of an endostatin (ADN00600 or ADN00602) in ocular tissues of the individual to a retinal detachment or retinal edema-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Treating retinal detachment or retinal edema in an individual coincreasing the amount of an endostatin in the ocular tissues of individual to a retinal detachment- or retinal edema-inhibiting
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the invention.
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(NOVS ) NOVARTIS PHARMA GMBH
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Pred. No. 1.
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                       cytostatic; antidiabetic;
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The present sequence represents a chimeric antisense oligonucleotide cargeted to human microsomal prostaglandin E2 synthase (mpGES-1). The CC human mpGES-1 gene is located on chromosome 9, more specifically to 934.3. The present invention also describes: (1) antisense compounds, CC mpGES-1, which specifically hybridise with the nucleic acid encoding CC mpGES-1, which specifically hybridise with the nucleic acid encoding CC mpGES-1, which specifically hybridise with the nucleic acid encoding CC mpGES-1, which specifically hybridise with the nucleic acid encoding CC mpGES-1 in cells or tissues, and (3) a method of treating an animal CC having a disease or condition associated with mpGES-1. MpGES-1 chimeric CC antisense oligonucleotides and antisense compounds have cytostatic, CC antidiabetic, immunomodulator, cardiant, neuroprotective, and can can be used as mpGES-1 inhibitors and in gene therapy. The antisense compound CC can be used for preparing a composition for treating a disease or CC condition associated with mpGES-1 e.g., inflammation, Alzheimer's CC disease, arthritis, diabetes, cancer, ischaemia or reperfusion injury, or ophthalmic, immunological, cardiovascular or neurological disorder.
                                                                                                       Query Match
Best Local Similarity
Matches 17; Conserv
                                                                                                                                                                                                                  Sequence 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New antisense compound, having a sequence targeted to a nucleic acid encoding mPGES-1, useful for preparing a composition for treating e. inflammation, Alzheimer's disease, arthritis, diabetes, cancer or
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 4; SEQ ID NO 1546; 132pp; English.
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CACAGGAAGCTCAGCCTTCT
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llarity 85.0%;
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Score 15.2; DB 1; Pred. No. 1.4e+02;

Length 20; Indels

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RESULT, 216, ...
ADN49263/c
                                                         The invention relates to antisense compounds, compositions and methods for modulating the expression of histone deacetylase 4 (HDAC4). HDAC4 is also known as HDAC-A. The composition comprises antisense compounds that can be targeted towards HDAC4. The antisense oligonucleotide is useful for inhibiting the expression of HDAC4 in cells or tissues. It is also useful for treating an animal having a disease or condition associated with HDAC4, such as a hyperproliferative disorder, particularly cancer (i.e. myeloid leukaemia). The compound is used for diagnostics, prophylaxis, or as research reagents or kits. It is also useful in antisense therapy. The present sequence is an antisense oligonucleotide represent the present of the compound the control of the control of
Sequence
                                                                                                                                                                                                                                                                                                                                                                                   New antisense oligonucleotides for modulating Histone deacetylase 4 expression, useful for diagnosing, preventing or treating diseases or conditions associated with Histone deacetylase 4, such as cancer (i.e.
                                                                                                                                                                                                                                                                                                                        Example 15; SEQ ID NO
                                                                                                                                                                                                                                                                                                                                                                   conditions associated with Histone myeloid leukemia).
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/note= "Phosphorothioate backbone in which all cytidines
are 5-methylcytidines"
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RESULT 217
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antisense compound; histone deacetylase 4; cancer; infection;
inflammation; diagnostic; prophylaxis; human; antisense oligonucleotide;
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                        deacetylase 4 in human cells or tissues, comprising contacting the cells or tissues with the new compound so that the expression of Histone deacetylase 4 is inhibited. The antisense oligonucleotide is useful for modulating the expression of Histone deacetylase 4 in cells or tissues. It is also useful for treating humans having a disease or condition associated with Histone deacetylase 4, such as cancer, infection or
                                                                                                                                                                                The invention describes an antisense compound that is 8-50 nucleobases in length targeted to a nucleic acid molecule encoding human Histone deacetylase 4 (which comprises a sequence of 8459 bp fully defined in the specification). The compound specifically hybridizes with and inhibits the expression of human Histone deacetylase 4. Also described are: a composition comprising the new antisense compound and a pharmaceutical carrier or diluent; and a method of inhibiting the expression of Histone deacetylase 4 in human cells or tissues, comprising contacting the cells
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New antisense oligonucleotides for modulating human Histone deacetylase expression, useful for diagnosing, preventing or treating diseases associated with Histone deacetylase 4, e.g. cancer, infection or
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compound is used

for diagnostics

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        Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    pigment epithelium-derived factor; angiostatin; plasminogen fragment; rod-derived cone viability factor; antianglogenic antithrombin; cartilage-derived inhibitor; CD59 complement fragment; fibronectin fragment; Gro-beta; heparinase; chorionic gonadotropin; interferon inducible proceain; IP-10; interleukin-12; kringle 5; metalloproteinase inhibitor; placental ribonuclease inhibitor; plasminogen activator inhibitor; platelet factor-4; PP4; prolactin; proliferin-related protein, PRP; thrombospondin-1; TSP-1; transforming growth factor-beta; TGF-b; vasculostatin; restinal detachment; diabetic retinopathy; retinal newsascularization; choroidal neovascularization; retinal edema;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            prophylaxis, or as research reagents or kits. This sequence represents a human histone deacetylase 4 antisense oligonucleotide.
The specification describes a method for delivering a protein to the retina of a subject. The method comprises periocularly injecting a viral vector comprising a nucleic acid encoding endostatin. Alternatively, the viral vector may encode soluble vascular endothelial growth factor receptor, pigment epithelium-derived factor, angiostatin (plasminogen fragment), rod-derived cone viability factor, antiangiogenic antithrombin HI, cartilage-derived inhibitor (GDI), CD59 complement fragment, fro-beta, a heparinase, human chorionic gonadorropin (hCG), an interferon, interferon inducible protein (IP-10), interleukin-12, kringle 5 (plasminogen fragment), metalloproteinase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mug
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                                                                                                                                                                                                                                                                                                                                                                                            Delivering a protein to the retina of a subject for treating retinal disorders, e.g., retinal detachment, retinal edema or diabetic retinopathy by periocularly injecting a viral vector comprising a protein party of the comprision of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              26-SEP-2003; 2003WO-EP010725
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       retina;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PCR primer used to amplify murine Ig kappa leader sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Campochiaro PA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          27-SEP-2002; 2002US-0414048P
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                                                                                                                                                                                                                                                                                                              Example 1; Page 10; 47pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SAON)
                                                                                                                                                                                                                                                                                                                                                                        encoding nucleic acid.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NOVARTIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       endostatin; vascular endothelial growth factor receptor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  primer.
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PHARMA GMBH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   entry)
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                                                                                                                                                                                                                                                                                                                                                                                                     injecting a viral vector comprising a protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 15.2;
Pred. No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 1;
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RESULT 219
ADM16189/c
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Best Local S
Matches 17
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The invention relates to SAC1 polypeptides and the polynucleotides encoding them. The polynucleotides contain a variation associated with sensing carbohydrates, other sweeteners or ethanol. The invention also
                                                                                         New isolated polynucleotides for sensing carbohydrates, other sweeteners, or ethanol, useful for screening drugs for inhibition or restoration of gene function as antidiabetic, antiobesity or antialcohol consumption
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Murine SAC1 DNA PCR primer #416
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADM16189 standard; DNA;
                                                     Example 12;
                                                                                                                                                                                  Bachmanov
                                                                                                                                                                                                                                                                                                                                                                                                              29-APR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                        US2004081964-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mouse; SAC1; PCR; ss; diabetes; alcoholism;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       15-JUL-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADM16189;
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                                                                                                                                                                                                                                                                                                                                                          25-OCT-2002; 2002US-00280183.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           method of the invention.
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                                                                                                                                                                                                                                                                                                       (LISS/)
                                                                                                                                                                                                              DJON/)
                                                                                                                                                                                                                            CHAT,
                                                                                                                                                                                                                                       OHMA/)
                                                                                                                                                                                                                                                     ROSS/)
                                                                                                                                                                                                                                                                                                                     (BEAU/
                                                                                                                                                                                                                                                                                                                                 (BACH/)
                                                                                                                                                                     DA,
                                                                                                                                           2004-340133/31.
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                                                                                                                                                                                                          DE JONG P J.
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17; Conserv
                                                                                                                                                                                                                                                                                                                  BACHMANOV A A. BEAUCHAMP G K.
                                                                                                                                                                    AA, B
Ohman
                                                  SEQ ID NO 459; 148pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
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                                                                                                                                                                    Beauchamp GK, Li S,
n JD, Chatterjee A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       entry
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antidiabetic;
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Pred. No. 1.4e+02;
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                                                                                                                                                                     Li X,
De Jong
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      sweetener; ethanol; obesity;
alcohol; anorectic; antialcoholic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 1,
                                                                                                                                                                     Reed DR,
PJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
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RESULT 220
ADP76517/c
ID ADP765
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CC relates to a method for analysing a biomolecule in a biological sample, CC comprising altering SAC1 activity in the sample and measuring the CC activity, a method for analysing a polynucleotide in a biological sample, CC comprising contacting a polynucleotide in a biological sample with a CC probe where the probe hybridises to a SAC1 polynucleotide to form a CC hybridisation complex and detecting the hybridisation complex, a method CC of identifying susceptibility to obesity or diabetes comprising comparing CC the nucleotide sequence of the suspected SAC1 allele with a wild type CC nucleotide sequence, where the difference between the suspected allele CC nucleotide sequence, and a method of treating or preventing obesity, CC diabetes or alcoholism associated with expression of SAC1, comprising CC administering to a subject a pharmaceutical composition and a transgenic CC animal that carries an altered SAC1 allele. The methods and compositions of the invention are useful for screening drugs for inhibition or restoration of gene function as antidiabetic, antiobesity or antialcohol. CC consumption therapies and for identifying sweeteners and alcohols. This
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local S
Matches 17
                                                                                                                                                                                                                                                                                                                                                    Key
modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                             GFAT; Antidiabetic; Cardiant;
Glutamine-fructose-6-phosphate amidotransferase; diabetes; ischemia;
                                                                                                                                                          02-OCT-2003; 2003WO-US033332
                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Chimeric phosphorothioate oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADP76517 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 20 BP; 4 A; 6 C; 4 G; 6 T; 0 U; 0 Other;
                                         WPI; 2004-348453/32.
                                                                                                                             17-OCT-2002; 2002US-0419268P
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                                                                                                                                                                                                                                                                                            modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                reperfusion;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       sequence represents a PCR primer used to amplify murine SAC1 DNA of the
                                                                                                  (PHAA ) PHARMACIA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1991 TGGGGGTGGCAATGACACCC 2010
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   17;
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                                                                     Crosby
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/mod_base= other
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/note= "2-methoxyethyl wing"
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                                                                                                                                                                                                                                                  "2-methoxyethyl wing
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Pred. No.
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New compounds, particularly antisense oligonucleotides targeted to a nucleic acid encoding glutamine-fructose-6-phosphate amidotransferase

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ADP78659
XX
AC
ADP7
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AC
ADP7
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Chir
XX
GFA7
KW GFA7
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Best Local S
Matches 17
New compounds, particularly antisense oligonucleotides targeted to a nucleic acid encoding glutamine-fructose-6-phosphate amidotransferase (GFAT), for treating diabetes, a cardiovascular or neurologic disordes ischemia/reperfusion injury.
                                                                                                                                                  WPI; 2004-348453/32.
                                                                                                                                                                                                                                                                                                                                                          02-OCT-2003; 2003WO-US033332
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                                                                                                                                                                                                                                                       (PHAA ) PHARMACIA CORP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Glutamine-fructose-6-phosphate amidotransferase; diabetes; ischemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GFAT; Antidiabetic; Cardiant;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Chimeric phosphorothioate oligonucleotide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              standard; DNA; 20 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                  Crosby SD;
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17. .20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "2-methoxyethyl wing"
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Pred. No. 1.
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                            disorder,
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                                   The invention relates to a compound targeted to and which specifically hybridises with a nucleic acid molecule encoding tyrosyl-DNA phosphodiesterase-1 (TDP-1), and inhibits the expression of TDP-1. The compound, composition and methods are useful for treating a disease or condition associated with TDP-1, such as a hyperproliferative disorder. They are also useful in research and diagnostics for modulating the expression of TDP-1. The present sequence represents a human TDP-1
                                                                                                                                                                                                New compounds, particularly oligonucleotides targeted to a nucleic a encoding trosyl-DNA phosphodiesterase-1 (TDP-1), useful for treating diseases associated with TDP-1, e.g. hyperproliferative disorders.
                                                                                                                                                                     Example 15; SEQ ID NO 28; S1pp; English.
                                                                                                                                                                                                                                                                     WPI; 2004-389191/36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present invention relates to a compound which specifically hybridizes with a nucleic acid molecule encoding GFAT, and inhibits the expression of GFAT. Specifically claimed are antisense oligonucleotides capable of modulating the expression of GFAT, and which comprise any of the 3063 sequences of 20 base pairs, given in the specification. The compound, composition and methods are useful for treating a disease or condition, associated with GFAT, such as a disease or condition, e.g. diabetes, a cardiovascular or neurological disorder, ischemia/reperfusion injury. They are also useful in research and diagnostics for modulating the expression of GFAT. The present sequence represents a chimeric phosphorothicate oligonucleotide with 2'-MOE wings and a deoxy gap, these
                                                                                                                                                                                                                                                                                                                                                                  19-NOV-2002; 2002US-00300399
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                                                                                                                                                                                                                                                                                                                                    (ISIS-) ISIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ss; human; antisense; tyrosyl-DNA phosphodiesterase-1; TDP-1; hyperproliferative disorder.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            oligonucleotides inhibit human GFAT expression.
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Matches 17; Conserv
                                                                                                                                                                               hybridises with a nucleic acid molecule encoding tyrosyl-DNA phosphodiesterase-1 (TDP-1), and inhibits the expression of TDP-1. The composition and methods are useful for treating a disease or condition associated with TDP-1, such as a hyperproliferative discorder. They are also useful in research and diagnostics for modulating the expression of TDP-1. The present sequence represents a human TDP-1 targety
                                                                                                                                                                                                                                                                     New compounds, particularly oligonucleotides targeted to a nucleic and encoding trosyl-DNA phosphodiesterase-1 (TDP-1), useful for treating diseases associated with TDP-1, e.g. hyperproliferative disorders.
         26-AUG-2004
                           ADP22828;
                                                                                                                                                         Sequence 20
                                                                                                                                                                                                                                                                                                                                                                                                                                               ss; human; tyrosyl-DNA phosphodiesterase-1; TDP-1;
hyperproliferative disorder.
                                          ADP22828
                                                                                                                                                                                                                                     The invention relates to a compound targeted to and which specifically
                                                                                                                                                                                                                                                       Example 15;
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                                                                                                                                                                                                                                                                                                                                           (ISIS-) ISIS PHARM INC.
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17; Conserv
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                                          standard;
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                                                                                                                                                        BP;
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                                                                                                                       Conservative
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         (first entry)
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Pred. No. 1.
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Pred. No. 1.4e+02;
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ADP22750/c
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        WPI; 2004-440338/41
                                                                                                             US2004110149-A1
                                                                                                                              Synthetic.
                                                                                                                                                        вв; BUB1-beta;
                                                                                                                                                                                         26-AUG-2004
                                                                                                                                                                                                           ADP22750;
                                                                                                                                                                                                                            ADP22750 standard;
                                                                                                                                       Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Bennett CF,
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The invention relates to a new compound, having a sequence targeted to a nucleic acid encoding BUBI-beta, which specifically hybridises with the nucleic acid encoding BUBI-beta and inhibits expression of BUBI-beta. The cligonuclectide compound is useful for preparing a composition for treating a hyperproliferative disorder, e.g. cancer. The present sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New oligonucleotide compound that inhibits expression of BUB1-beta, useful for preparing a composition for treating hyperproliferative
                                                                                                                                                                                                                                                                                                                                                                                      Human BUB1-beta antisense oligonucleotide ISIS 280005
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 15; SEQ ID NO 94; 92pp; English.
                                                   10-DEC-2002; 2002US-00316459
                                                                                                   10-DEC-2002; 2002US-00316459
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        represents a human BUB1-beta target sequence.
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PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                  hyperproliferative disorder; cancer; human;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   hyperproliferative disorder; cancer; human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DNA;
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Pred. No. 1
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RESULT 226
ADO42827
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Best Local S
Matches 17
Query Match
Best Local Similarity
                                                                                                                             oestrogen receptor-alpha (ER) proteins. The mutant ER proteins of the invention are useful for determining the effectiveness of a treatment by an ER activity regulator substance, and for determining the effectiveness of a treatment by an anti-oestrogen substance. The present DNA sequence represents an oligonucleotide probe that was used in an example of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     15-NOV-2002;
15-NOV-2002;
15-NOV-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to a new compound, having a sequence targeted to nucleic acid encoding BUB1-beta, which specifically hybridises with the nucleic acid encoding BUB1-beta, which specifically hybridises with the nucleic acid encoding BUB1-beta and inhibits expression of BUB1-beta. Oligonucleotide compound is useful for preparing a composition for treating a hyperproliferative disorder, e.g. cancer. The present sequence represents a human BUB1-beta antisense oligonucleotide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New oligonucleotide compound that inhibits expression of BUB1-beta, useful for preparing a composition for treating hyperproliferative disorder, e.g. cancer.
                                                                  Sequence 20
                                                                                                                                                                                                                 The invention comprises the amino acid sequences of mutant human oestrogen receptor-alpha (ER) proteins. The mutant ER proteins of the
                                                                                                                                                                                                                                                                                                                             New mutant estrogen receptor-alpha useful for determining effectiveness of treatment by estrogen receptor activity regulator substance and antiestrogen substance.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADO42827 standard;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SUMO)
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                                                                  B₽;
                                                                                                                                                                                                                                                                                    SEQ ID NO 40; 111pp; Japanese
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2002JP-00331994.
2002JP-00331995.
2002JP-00331996.
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substance; oligonucleotide; probe; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          IJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  receptor-alpha
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                                                               Α,
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0.6%;
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                                                               C; 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        92pp;
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Score
Pred.
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Pred. No. 1.4e+02;
                                                               5 T; 0 U;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (ER) - related oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mismatches
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15.2; DB 1;
No. 1.4e+02;
                                                                  0 Other;
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                    Length
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Mouse RANK antisense

oligonucleotide ISIS181051.

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RESULT 228
ADQ14779/c
ID ADQ147
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ADO42828
ID ADO428
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Best Local
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15-NOV-2002;
15-NOV-2002;
                                                                                                                                                                                                             The invention comprises the amino acid sequences of mutant human oestrogen receptor-alpha (ER) proteins. The mutant ER proteins of the invention are useful for determining the effectiveness of a treatment by an ER activity regulator substance, and for determining the effectiveness of a treatment by an anti-oestrogen substance. The present DNA sequence represents an oligonucleotide probe that was used in an example of the invention
                                                                                                                                                                                                                                                                                                  New mutant estrogen rec
of treatment by estroge
antiestrogen substance.
                           07-OCT-2004
                                                                                                                                                                                      Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                    14-NOV-2003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           human; oestrogen
anti-oestrogen su
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human oestrogen receptor-alpha
                                                               ADQ14779
                                                                                                                                                                                                                                                                                  Example
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1325
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                                                                                                                                                 1 Similarity
17; Conserv
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                                                                                                                                                                                                                                                                                25; SEQ ID NO 41; 111pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                            SUMITOMO
                                                                                                             GGTGAAGCTCTTCGACAAGC 1347
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               standard;
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                                                                standard;
                                                                                                                                                  Conservative
                                                                                                                                                                                      BP; 4 A;
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2002JP-00331995.
2002JP-00331996.
                          (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            substance;
                                                                                                                                                                                                                                                                                                             estrogen
                                                                                                                                                                                                                                                                                                                                                                             MAHO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            receptor-alpha; ER; ER act ubstance; oligonucleotide;
                                                                DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DNA;
                                                                                                                                                                                                                                                                                                             receptor-alpha useful for determining effer
                                                                                                                                                                                     4 C;
                                                                                                                                                          0.6%;
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                                                                                                                                                          Pred.
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                                                                                                                                                                                      5 T;
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                                                                                                                                                  Mismatches
                                                                                                                                                           No. 1
                                                                                                                                                                                      0 U;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            activity :
de; probe;
                                                                                                                                                                                      0
                                                                                                                                                           .4e+02
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                                                                                                                                                                                      Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            regulator substance; ss.
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                                                                                                                                                   Indels
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                                                                                                                                                                                                                                                                                                                     effectiveness
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       probe
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0;
                                                                                                                                                  Gaps
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The solution Commence

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into bone marrow-derived osteoclast precursor cells, into primary contended to the collection of the compound in the presence of a non-liposomal transfecting the cells with the compound in the presence of a non-liposomal transfection agent. Also cincluded is the method of modulating osteoclast differentiation, comprising delivering a compound 8-80 nucleobases in length (i.e. an comprising delivering a compound 8-80 nucleobases in length (i.e. an cells, the compound targeted to a nucleic acid molecule encoding RANK (tumour necrosis factor receptor superfamily, member 11a) and capable of binding a region of the nucleic acid molecule encoding RANK (tumour necrosis factor receptor superfamily, member 11a) and capable of precursor cells is modulated by the compound. The methods and composition are useful for delivering oligonucleotide compounds into osteoclasts or osteoclast precursor cells to modulate osteoclast differentiation. These may be used for treating patients with subnormal bone conditions or for discovering diagnostics and therapeutics for bone diseases associated with osteoclast activity (e.g. osteoporosis or osteopetrosis). The present sequence is an antisense oligonucleotide targeting mouse RANK.
                                                                                        Query Match
Best Local S
Matches 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Delivering oligonucleotides into osteoclasts or osteoclast precursor cells to modulate osteoclast differentiation comprises transfecting ce with the oligonucleotides and a non-liposomal transfection agent (e.g.
                                                                                                                                                                                           Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     30-OCT-2000; 2000WO-US029828.
06-AUG-2002; 2002US-00111868.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to delivering a compound 8-80 nucleobases in length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 15;
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20
                                                                                          17; Conserv
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                                        GCCAGCGCCGCGGCTGCCGC 30
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                                                                                                                                                                                        B₽;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQ ID
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                                                                                                               0.6%;
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e= "2'-methoxyethyl residue'
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e= "Phosphorothioate backbone
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                                                                                          Score 15.2; DB 1;
Pred. No. 1.4e+02;
0; Mismatches 3
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                                                                                                                                     DB 1; Length 20;
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RESULT 229% AD014827 NX AD014827 NX AD014827 NX AD014827 NX AD014827 NX AD0168 RW MOUSE RW MOUSE RW MOUSE RW MOUSE RW OSCOCIA NX US20041 NX US20041 NX AD0168 NOT THE FORM OSCOCIA RW PI 20 AND PI Baker B XX (ISIS-) NX (IS
                                                                                                                                                                                                                                                                                                            The invention relates to delivering a compound 8-80 nucleobases in length cinto bone marrow-derived osteoclast precursor cells, into primary consteoclast cells or into a cell line whose cells are capable of costeoclast cells or into osteoclasts, comprises transfecting the cells with the compound in the presence of a non-liposomal transfection agent. Also cincluded is the method of modulating osteoclast differentiation, comprising delivering a compound 8-80 nucleobases in length (i.e. an compound and compound and compound compound and compound cells, the compound targeted to a nucleobases in length (i.e. an cells, the compound targeted to a nucleobase in length (i.e. an cells, the compound targeted to a nucleobase in length (i.e. an cells, the compound targeted to a nucleobase in length (i.e. an cells, the compound targeted to a nucleobase in length (i.e. an cells, the compound targeted to a nucleobase in length (i.e. an cells, the compound targeted osteoclast cells, the compound targeted osteoclast consecutation of the bone marrow-derived osteoclasts or consecutation for delivering oligonucleotide compounds into osteoclasts or osteoclast precursor cells to modulate osteoclast differentiation. These cap be used for treating patients with subnormal bone conditions or for discovering diagnostics and therapeutics for bone diseases associated
Query Match
Best Local S
Matches 17
                                                                                                                                                                                                 discovering diagnostics and therapeutics for bone diseases associated with osteoclast activity (e.g. osteoporosis or osteopetrosis). The present sequence is a target region of the mouse RANK cDNA, for the antisense oligonucleotides.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Delivering oligonucleotides into osteoclasts or osteoclast precursor cells to modulate osteoclast differentiation comprises transfecting ce with the oligonucleotides and a non-liposomal transfection agent (e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mouse; ss; antisense; RANK; tumour necrosis factor receptor; bone marrow-derived osteoclast precursor cell; primary osteoclast cell; osteoclast; non-liposomal transfection agent; osteoclast differentiation; subnormal bone condition; bone disease; osteoporosis; osteopetrosis.
                                                                                                                                      Sequence
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06-AUG-2002; 2002US-00111868
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   Conservative
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Pred. No. 1.
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RESULT 230
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ID ADJ335
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XX ID ADJ335
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Best Local S
Matches 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New compound comprises a sequence targeted to a nucleic acid encoding Leukocyte Antigen Related protein (LAR), useful for preparing a composition for treating metabolic or hyperproliferative disorders, e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 15;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human LAR chimeric phosphorothioate oligonucleotide SEQ
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          Conservative
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16. .20
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== "2'-0-methoxyethyls"
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                                                                                                                                          The present invention describes a compound (I) comprising a sequence comprising 8-80 base pairs (bp) targeted to a nucleic acid encoding LAR (leukcyte antigen related protein), where (I) specifically hybridises with the nucleic acid and inhibits expression of LAR. Also described: (1) a composition comprising the compound (I) and a carrier or diluent; (2) inhibiting the expression of LAR in cells or tissues; (3) treating an animal having or suspected of having a disease or condition associated with LAR; and (4) screening for an antisense compound. (I) has cytostatic activity, and can be used in gene therapy. The antisense oligonucleotide metabolic or hyperproliferative disorders, particularly cancer. The present sequence represents a human LAR target oligonucleotide, which is used in an example from the present invention.
                                                                                                              Sequence 20 BP; 3 A; 8 C; 2 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                 Example 16; SEQ ID NO 141; 197pp; English
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                       1986 GAGGATGGGGTGGCAATGA 2005
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GAGGATGGCGATGACAATGA
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                                                                 85.0%;
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Pred. No. 1
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RESULT 232 ADS92384/c ID ADS923 XX AC ADS923

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Best Local S
Matches 17
                                                                                                                                                                                                                    The present invention relates to antisense compounds targeted to a nucleic acid encoding tumour necrosis factor superfamily 14 (TWFSF14). The antisense compound comprises an antisense oligonucleotide that specifically hybridises with the nucleic acid and inhibits the expression of TWFSF14. The antisense oligonucleotide is a chimeric oligonucleotide. The antisense oligonucleotide comprises at least one modified internucleoside linkage, preferably a phosphorothicate linkage. It also comprises at least one modified sugar moiety, preferably a 2'-O-methoxyethyl (2'-MOE) sugar moiety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotides are useful for the treatment of diseases such as hyperproliferative disorders (e.g. cancer), autoimmune, and developmental disorders. The present sequence represents invertion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New antisense oligonucleotides for modulating tumor necrosis far
superfamily 14 expression, useful for diagnosing, preventing or
conditions associated with the protein, e.g. hyperproliferative
             ADS92431 standard;
                                                                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                             Example 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2004-389150/36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (ISIS-) ISIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       19-NOV-2002; 2002US-00300424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 19-NOV-2002; 2002US-00300424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US2004096835-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Antisense therapy; human; tumour necrosis factor superfamily 14; TNFSF14; hyperproliferative disorder; cancer; autoimmune disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           02-DEC-2004
                                                                                                        886
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  sapiens
                                                                             20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TNFSF14
                                                                                                                                             Similarity
                                                                                                                                                                                    20
                                                                                                        CAGTCACCCTGCGGAACCGC 1007
                                                                             CAGTCACCCTGCGGACGGC 1
                                                                                                                                                                                    B₽;
                                                                                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 77;
                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1.
/*tag=
                                                                                                                                                                                    N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /mod_base= OTHER
/note= "This oligonucleotide has a phosphorothioate backbone and 2'-methyoxyethyl (2'-MOE) wings at the and 3' ends, which are 5 nucleotides in length at ea
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                   Ą,
             DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 antisense
                                                                                                                                          0.6%;
                                                                                                                                                                                    7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              All cytidine residues are 5-methylcytidines"
                                                                                                                                                                                   ü
             20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cytostatic;
                                                                                                                                                                                    8
                                                                                                                                                                                                                                                                                                                                                                                                                             51pp; English
             ВP
                                                                                                                                                                                   <u>ი</u>
                                                                                                                               <u>.</u>
                                                                                                                                            Score 15.2;
Pred. No. 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                oligonucleotide
                                                                                                                                                                                    w
                                                                                                                                 Mismatches
                                                                                                                                                                                   Η;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         immunosuppressive; phosphorothicate;
                                                                                                                                                                                   Ç
                                                                                                                                                        DB 1;
                                                                                                                                                                                    0
                                                                                                                                            4e+02;
                                                                                                                                                                                    Other;
                                                                                                                                                       Length 20;
                                                                                                                                  Indels
                                                                                                                               0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  factor
                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  treating
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each
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RESULT 234
AAX62278
ID AAX622
XX AAX622
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                                                                                                                                                                                                                                                                                         밁
                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                            The antisense compound comprises an antisense digonucleotide that specifically hybridises with the nucleic acid and inhibits the expression of TNFSF14. The antisense oligonucleotide is a chimeric oligonucleotide. The antisense oligonucleotide comprises at least one modified internucleoside linkage, preferably a phosphorothicate linkage. It also comprises at least one modified sugar moiety, preferably a 2'-O-methoxyethyl (2'-MOE) sugar moiety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 2'-O-methylcytosine. The antisense oligonucleotides are useful for the treatment of diseases such as hyperproliferative disorders (e.g. cancer), autoimmune, and developmental disorders. The present sequence represents a human TNFSF14 DNA target sequence for an antisense oligonucleotide.
Maize; corn; Zea mays; delta-9 desaturase; GBSS; target; substrate; granule bound starch synthase; hammerhead ribozyme; hairpin ribozym modulation; gene expression; transgenic plant; cleavage; canola pla caffeine synthesis; coffee plant; nicotine production; tobacco;
                                                                                        Granule
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New antisense oligonucleotides for modulating tumor necrosis factor superfamily 14 expression, useful for diagnosing, preventing or treations associated with the protein, e.g. hyperproliferative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Antisense therapy; human; tumour necrosis factor superfamily 14; hyperproliferative disorder; cancer; autoimmune disorder; developmental disorder; cytostatic; immunosuppressive; ds.
                                                                                                                                                               AAX62278;
                                                                                                                                                                                                AAX62278 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 20 BP; 3 A; 8 C; 7 G; 2 T; 0 U;
                                                                                                                            16-JUL-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 15; SEQ ID NO 124; Slpp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2004-389150/36.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Dobie
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           19-NOV-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  02-DEC-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     nucleic acid encoding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The present invention relates to antisense compounds targeted to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          19-NOV-2002; 2002US-00300424.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US2004096835-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (ISIS-) ISIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADS92431;
                                                                                                                                                                                                                                                                                                                         988
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TNFSF14 DNA
                                                                                                                                                                                                                                                                                       Ь
                                                                                        bound
                                                                                                                                                                                                                                                                                       CAGTCACCCTGCGGACGGGC 20
                                                                                                                                                                                                                                                                                                                         CAGTCACCCTGCGGAACCGC 1007
                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2002US-00300424.
                                                                                        starch synthase hammerhead substrate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             target sequence
                                                                                                                                                                                                  RNA;
                                                                                                                                                                                                                                                                                                                                                                            0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     tumour necrosis factor superfamily 14 (TNFSF14).
                                                                                                                                                                                                  17
                                                                                                                                                                                                                                                                                                                                                          0,
                                                                                                                                                                                                                                                                                                                                                                           Score 15.2; DB 1;
Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                            Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #35
                                                                                                                                                                                                                                                                                                                                                                                                                                  0 Other;
                                                                                                                                                                                                                                                                                                                                                                                               DB 1;
                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                        SEQ
                                                                                        ij
                  canola plant;
                                                                                          NO:153
                                                                                                                                                                                                                                                                                                                                                            0
                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TNFSF14;
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AAX62280
ID AAX6
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                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 235
                                                                                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                                        Best
                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present invention describes an enzymatic nucleic acid molecule (I) with RNA cleaving activity, which modulates the expression of a plant gene. Also described is a gene comprising a cDNA sequence encoding maize belta-9 desaturase. (I) can be used to modulate expression of a gene, preferably Delta-9 desaturase or a granule bound starch synthase (GBSS) gene, in a plant (preferably a maize or canola plant). (I) can be used to modulate caffeine synthesis in a coffee plant, nicotine production in a tobacco plant, fruit ripening processes in an apple, tomato, pear, plum or peach plant, flower pigmentation in a rose, petunia, chrysanthemum or marigoid plant or lignin production in a tobacco, aspen, poplar or pine
                                                                                                                     Maize; corn; Zea mays; delta-9 desaturase; GBSS; target; substrate; granule bound starch synthase; hammerhead ribozyme; hairpin ribozyme; modulation; gene expression; transgenic plant; cleavage; canola plant caffeine synthesis; coffee plant; nicotine production; tobacco;
          12-JUL-1996;
                                                         WO9710328-A2
                                                                                    Zea mays
                                                                                                                                                                                    Granule bound
                                                                                                                                                                                                           16-JUL-1999
                                                                                                                                                                                                                                    AAX62280
                                                                                                                                                                                                                                                            AAX62280 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ribozyme which modulates plant gene expression - preferably modulates expression of DELTA-9 desaturase or granule bound starch synthase in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Zwick MG,
Young SA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 41; Page 74; 155pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              maize or canola.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 1997-202224/18.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (RIBO-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20-MAR-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       fruit ripening;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                13-JUL-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12-JUL-1996;
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                                                                                                                                                                                                                                                                                                                                                  778
                                                                                                           ripening;
                                                                                                                                                                                                                                                                                                                           w
                                                                                                                                                                                                                                                                                                                                                                           l Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RIBOZYME PHARM INC DOWELANCO.
                                                                                                                                                                                                                                                                                                                                               AGAAGTTCCCAGGCA 792
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Edington
Folkerts
                                                                                                                                                                                                                                                                                                                                                                                                                       BP; 5 A; 4 C; 6 G; 0 T; 2 U;
                                                                                                                                                                                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                    starch
          96WO-US011689
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               95US-0001135P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        96WO-US011689
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   flower pigmentation; lignin production; ss.
                                                                                                                                                                                                                                                            RNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    O BE
                                                                                                                                                                                                                                                                                                                                                                                    0.6%;
                                                                                                                                                                                synthase hammerhead substrate SEQ ID NO:155
                                                                                                          pigmentation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mcswiggen JA,
Merlo DJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  English
                                                                                                                                                                                                                                                                                                                                                                         2
                                                                                                                                                                                                                                                                                                                                                                                    Score 15;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                    DB 1; 1
1.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Merlo PAO,
                                                                                                                                                                                                                                                                                                                                                                                                                         0 Other;
                                                                                                         production;
                                                                                                                                                                                                                                                                                                                                                                         0
                                                                                                                                                                                                                                                                                                                                                                                              Length 17;
                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Guo
                                                                                                                   tobacco;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                F,
                                                                                                                              canola plant;
                                                                                                                                                                                                                                                                                                                                                                       0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Skokut
                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TA;
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RESULT 236
ABZ61331
AX ABZ6133
XX ABZ613
XX ABZ613
XX Human
DT 21-MAR
XX Human;
KW Human;
KW enzyma
KW enzyma
KW enzyma
XX Homo B
XX Homo B
YX WO2002
XX WO2002
XX WO2002
XX HOMO B
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XX HOMO B
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XX WOSWig
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XX WCSWig
XX WCSWig
XX WOYPI; 2
XX Novel
PT Novel
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local S
Matches 13
                                                                                                                              29-MAY-2001;
06-JUN-2001;
10-SEP-2001;
                                            WPI; 2003-140484/13.
                                                                                                                                                                                         29-MAY-2002;
                                                                                                                                                                                                                                                                                                       Human; ribozyme; short interfering RNA; siRNA; HER2; K-Ras; enzymatic nucleic acid; H-Ras; N-Ras; HIV; cytostatic; antianti-rheumatic; cancer; AIDS; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The present invention describes an enzymatic nucleic acid molecule (I) with RNA cleaving activity, which modulates the expression of a plant gene. Also described is a gene comprising a cDNA sequence encoding maize Delta-9 desaturase. (I) can be used to modulate expression of a gene, preferably Delta-9 desaturase or a granule bound starch synthase (GBSS) gene, in a plant (preferably a maize or canola plant). (I) can be used to modulate caffeine synthesis in a coffee plant, nicotine production in a tobacco plant, fruit ripening processes in an apple, tomato, pear, plum or peach plant, flower pigmentation in a rose, petunia, chrysanthemum or marigoid plant or lignin production in a tobacco, aspen, poplar or pine
                                                                       Mcswiggen
                                                                                                                                                                                                                      05-DEC-2002.
                                                                                                                                                                                                                                                WO200297114-A2
                                                                                                                                                                                                                                                                             Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                               Human H-Ras DNAzyme target #122.
                                                                                                                                                                                                                                                                                                                                                                                               21-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                           ABZ61331;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABZ61331 standard; RNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ribozyme which modulates plant gene expression of DELTA-9 desaturase or maize or canola.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          plant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 41; Page 74; 155pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Zwick
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (RIBO-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 1997-202224/18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Young
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13-JUL-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         778
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SA,
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                                                                                                    RIBOZYME
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DOWELANCO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AGAAGTTCCCAGGCA 792
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AGAAGUUCCCAGGCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Edington
Folkerts
                                                                                                                            ; 2001US-0294140P.
; 2001US-0296249P.
; 2001US-0318471P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BP; 6 A; 4 C; 5 G; 0 T; 2 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                        2002WO-US016840
                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       95US-0001135P
                                                                                                    PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  , E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mcswiggen JA,
Merlo DJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            16
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 15; [
Pred. No. 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          expression - I granule bound
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Merlo PAO,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .6e+02;
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d starch synthase in
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Novel short interfering RNA and enzymatic nucleic acid treating cancer, modulates the expression of a nucleic

useful for acid encoding

K-Ras, H-Ras,

N-Ras,

and human

deficiency virus sequences

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RESULT 237
ADF63854
ID ADF638
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Best Local (
The invention relates to a novel isolated nucleic acid that encodes a protein with a chromatin organisation modifier (CHROMO) domain. The polynucleotide of the invention demonstrates cytostatic activity and may be useful for preparing a composition for treating or preventing a disorder associated with decreased or increased expression or activity of PCCP1 (prostate cancer candidate protectin 1), such as a tumour, as well as during gene therapy and vaccine production procedures. The current sequence is that of the human PCCP1-related DNA fragment SEQ ID 8-directed probe of the invention. Note: The current sequence is not shown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       acid molecule or an enzymatic nucleic acid molecule, that modulates expression of a nucleic acid molecule encoding HER2, K-Ras, H-Ras, human immunodeficiency virus (HIV) or a component of HIV. The nucleic acid molecule of the invention has cytostatic, anti-HIV, and anti-rheumatic activity. The nucleic acid molecules are useful for reducing HER2, K-Ras, H-Ras, and HIV activity in a cell. The nucleic acids are also useful for treating breast, ovarian, colorectal, lung, prostate, bladder, or pancreatic cancer, and HIV infection, and AIDS. The sequences shown in ABZ59889 - ABZ62216, ABZ64544 - ABZ65531, ABZ66520 - ABZ6524, ABZ66553 represent substrate/target sequences for the human ribozymes of the invention
                                                                                                                                                                                                                                                                                                                       New prostate cancer candidate protein 1 (PCCP1), useful for preparing composition for treating or preventing a disorder associated with decreased or increased expression or activity of PCCP1 e.g., tumor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human PCCP1 DNA fragment SEQ ID
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                                                                                                                                                                                                                                                                        Example 2;
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                                                                                                                                                                                                                                                                        1758; 164pp;
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Pred. No. 1.6e+02;
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The invention comprises nucleic acids (e.g. antisense oligonucleotides) that down regulate the expression or inhibit the function of a receptor for a neurite growth inhibitor, NOGO, prostaglandin D2 receptor (PTGDR), IkappaB kinase (IKK), or protein kinase PKR. The nucleic acids of the invention are useful for treating: cerebrovascular accident, central nervous system (CNS) injury, spinal cord injury, cancer (e.g. melanoma, lymphoma or glioma), inflammatory disease (e.g. rheumatoid arthritis, restenosis or asthma). Crohn's disease, diabetes, obesity, autoimmune disease, reperfusion injury, glomerulonephritis, sepsis, and allergic conditions (e.g. asthma, allergic rhinitis or atopic dermatitis). The nucleic acids of the invention are also useful for down-regulating the expression of a target gene and as a diagnostic tool to examine genetic drifts and mutations within diseased cells or to detect the presence of a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   prostaglandin D2 receptor; PTGDR; IkappaB kinase; IKK; protein kinase PKR; cerebrovascular accident; central nervous system injury; CNS injury; spinal cord injury; cancer; melanoma; lymphoma; glioma; inflammatory disease; rheumatoid arthritis restenosis; asthma; Crohn's disease; diabetes; obesity; autoimmune disease; lupus; multiple soluers; transplant rejection; graft rejection; ischaemia; reperfusion; glomerulonephritis; sepsis; allergy; asthma; allergic rhinitis; atopic dermatitis; Human IKK-gamma
                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Novel enzymatic nucleic acid that down-regulates expression of neurite growth inhibitor receptor, prostaglandin D2 receptor, IkappaB kinase or protein kinase PKR genes, for treating cancer and inflammatory disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         05-APR-2001; 2001US-00827395
29-MAY-2001; 2001US-0294412P
28-AUG-2001; 2001US-0315315P
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The invention comprises nucleic acids (e.g. antisense oligonucleotides)
C that down regulate the expression or inhibit the function of a receptor
C for a neurite growth inhibitor, NOGO, prostaglandin D2 receptor (PTGDR),
C IkappaB kinase (IKK), or protein kinase PRR. The nucleic acids of the
C invention are useful for treating: cerebrovascular accident, central
C nervous system (CNS) injury, spinal cord injury, cancer (e.g. melanoma,
C lymphoma or glioma), inflammatory disease (e.g. rhematoid arthritis,
C restenosis or asthma), Crohn's disease, diabetes, obesity, autoimmune
C disease, lupus, multiple sclerosis, transplant/graft rejection,
C ischaemia/reperfusion injury, glomerulonephritis, seppis, and allergic
C conditions (e.g. asthma, allergic rhintis or atopic dermatitis). The
C nucleic acids of the invention are also useful for down-regulating the
C expression of a target gene and as a diagnostic tool to examine genetic
C drifts and mutations within diseased cells or to detect the presence of a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 239
ADL48695/c
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                                                                                                                                                                                                                                                                            Claim 59;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   05-APR-2001; 2001US-00827395.
29-MAY-2001; 2001US-0294412P.
28-AUG-2001; 2001US-0315315P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        antisense oligonucleotide; neurite growth inhibitor; NOGO; prostaglandin D2 receptor; PTGDR; IkappaB kinase; IKK; protein kinase PKR; cerebrovascular accident; central nervous system injury; CNS injury; spinal cord injury; cancer; melanoma; lymphoma; glioma; inflammatory disease; rheumatoid arthritis restenosis; asthma; Crohn's disease; diabetes; obesity; autoimmune disease; lupus; multiple sclerosis; transplant rejection; graft rejection; ischaemia; reperfusion; glomerulonephritis; sepsis; allergy; asthma; allergic rhinitis; atopic dermatitis; Human IKK-gamma.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             17-OCT-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20-MAY-2004
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15; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                    RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                      SEQ ID NO 2228; 317pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   standard; RNA; 17 BP
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Pred. No
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                                                                                                                                                                                                                                                                                                                                                                                                             Fosnaugh
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                                                                                                                                                                                                                                                                                                     kinase or disease.
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RESULT 240
AAF76146/c
ID AAF761
XX AAF761
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The invention relates to a transgenic immunodeficient recipient mouse CC which is capable of supporting the growth of donor cells. In the mouse, CC both alleles of a gene activated in early lymphocyte development are CC disrupted, causing it to lack mature B and T cells. In particular, both CC alleles of the recombination activation gene-2 (RAG-2) gene are CC disrupted, which in turn prevents VDJ recombination. The mouse also CC comprises donor (e.g., human) specific transgenes encoding the cytokines interleukin-7 (IL-7), stem cell factor (SCF), leukaemia inhibitory factor (LIF), granulocyte macrophage-colony stimulating factor (GM-CSF), and IL-6, which enable it comports the growth of transplanted donor cells. In another embodiment of the invention, the mouse comprises DNA encoding the human major histocompatibility complex (MHC) class II DR3 molecule, where the transgene has naturally linked DRab and DQab alleles. The transgenic mouse may be used as a model for determining the allergenicity of non-compounds mouse may be used as a model for determining the allergenicity of non-compounds in the compounds of the naturally discomplex (MCC) class II DR3 molecule, where the compounds have on a human immune system; to generate fully human polyclonal or monoclonal antibodies to specific antigens; to determine whether
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Pred. No.
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RESULT 241
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The present invention relates to a new transgenic mouse, which comprises a disruption in both alleles of a gene such that lymphocyte maturation does not occur and exogenous cytokines. The cytokines are selected from: interleukin-3 (IL-3), interleukin-6 (IL-6), interleukin-7 (IL-7), macrophage-colony stimulating factor (M-CSF), granulocyte-colony stimulating factor (FGF), granulocyte-colony factor (GM-CSF), and factor (FGF), leukaemia inhibitory factor (LIF) and oncostatin M (OM). The gene disruption is in a gene that modulated VDJ recombination e.g. a RAG gene. The gene is disrupted by insertion of a transgene comprising major histocompatibility complex (MHC) Class II DR3 and DQ2 genes. The transgenic mouse is useful as a
                                                                                                                                                                                                                                                                                                                                                                                            New recipient mammal, preferably a mouse, useful as a model of disease to assess efficacy of therapeutic or prophylactic treat for facilitating production of donor-specific functional immuni
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5' and 3' intron-exon junctions, or regions within 2-10 nucleotides of junctions of genes encoding a polypeptide associated with lung and/or nasel airway dysfunction and a second active agent comprising an antiinflammatory steroid and ubiquinone. A composition of the invention has antiinflammatory, antiallergic, antiasthmatic, hypotensive, immunosuppressive, and cytostatic activity. The composition may have a use in antieness gene therapy. The composition is useful for treating or preventing a respiratory, lung or malignant disease or condition, also for enhancing the prophylactic or therapeutic respiratory effect of an antiinflammatory steroid in a subject, for reducing or depleting levels of, or reducing sensitivity to adenosine, reducing levels of adenosine receptor, producing bronchodilation, increasing levels of ubiquinone or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Nyce JW,
Miller S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pharmaceutical composition for treating ailments associated with impaired respiration, has oligo(s) antisense to specific gene(s) or its corresponding RNAs, and glucocorticoid or non-glucocorticoid steroid or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; antisense; lung dysfunction; nasal airway dysfunction; antiinflammatory steroid; ubiquinone; antiinflammatory; antiallergic; antiasthmatic; hypotensive; immunosuppressive; cytostatic; gene therapy; antisense gene therapy; respiratory; lung; adenosine sensitivity; antisense gene therapy; respiratory; lung; adenosine sensitivity; adenosine receptor; bronchodilation; bronchoconstriction; lung allergy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      model of human disease to assess efficacy of therapeutic or prophylactic treatments, or to assess the antigenic potential of compounds. The transgenic mouse is also useful for supporting donor haematopoietic stem cells or facilitating production of donor-specific functional immunity. PCR primers ACC42571-ACC42639 were used to generate the transgenic mouse
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The invention relates to a novel pharmaceutical composition, which has first active agent comprising an oligonucleotide antisense to the initiation codon, coding region, 5, or 3, end genomic flanking regions, 5, and 1, introduced the control of t
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This invention describes a novel composition (a) a first active agent, comprising oligonucleotides, effective for alleviating bronchoconstriction, respiratory tract inflammation, allergies and reducing adenosine sensitivity, levels of adenosine (A) or (A) receptors, surfactant depletion or hyposecretion, when administered to a mammal. The oligonucleotides are derived from a gene encoding or regulating expression of a target polypeptide associated with lung airway or lung dysfunction or cancer and can be anti-sense to the corresponding mRNA. The invention also describes a kit, that comprises: (a) a delivery that the inventions for adding a carrier and for use of the kit. The composition of the invention has antiallergic, antiinflammatory, antiasthmatic, in the composition of the invention has antiallergic, antiinflammatory, antiasthmatic, in the composition of the invention has antiallergic, antiinflammatory, antiasthmatic, in the composition of the invention has antiallergic, antiinflammatory, antiasthmatic, in the composition of the invention has antiallergic antiinflammatory, antiasthmatic, in the composition of the invention has antiallergic antiinflammatory.
                                                                                                                                                                                                                                                                                                             Pharmaceutical composition for treating asthma, has antisense oligonucleotide containing less percentage of adenosine, targeted nucleic acids associated with lung airway or lung dysfunction, and
                                                                                                                                                                                                                                                                 Claim 15;
                                                                                                                                                                                                                                                                                                   bronchodilating agent.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; antisense; bronchoconstriction; allergy; hyposecretion; pain; respiratory tract inflammation; adenosine sensitivity; lung; cancer; surfactant depletion; antiallergic; antiinflammatory; antiasthmatic; analgesic; hypotensive; immunosuppressive; cytostatic; cystic fibrosis; beta-adrenergic agonist; respiratory disease; pulmonary vasoconstriction; respiratory distress syndrome; allergic rhinitis; pulmonary hypertension; emphysema; chronic obstructive pulmonary disease; cancer; bronchitis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (EPIG-) EPIGENESIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     pulmonary transplantation rejection;
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The sequences represented by AAQ98499 and AAQ98500 are primers for a fragment of human NT2-N receptor DNA. The sequence represented by AAQ98501 is a probe for the amplified fragment NT2-N cells are cholinerogenic neuronal cells. NT2-N cells are produced by treating cells with retinoic acid. The amplified sequence was found to be a N methyl-D-aapartset (NNDA) receptor, by comparison with the rat NNDA receptor, by comparison with the rat NNDA receptor.

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                                                                                                                                                                                                                                                                                   NT2-N functional glutamate receptor producing clonal neuronal cells used to screen agents for excitotoxic effects on the neurons of the central nervous system useful in the study of neurological disorders
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Best Local S
Matches 16
The sequences given in AAT80211-382 represent synthetic oligonucleotides which are complementary to a portion of the 5' untranslated region (UTR) of hepatitis C virus (HCV). These sequences may be used in a pharmaceutical composition for the control or prevention of HCV infection. They may be used to inhibit replication or expression of HCV or for detecting the presence of HCV in a sample. They may be used to inhibit HCV replication in a cell and are therefor useful in the treatment of HCV infections such as chronic and acute hepatitis and hepatocarcinoma. This sequence binds to two non-contiguous regions of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     in neuronal cells. The NT2-N cells can be used to study agents in relation to human neurological disorders. The agents that are to be studied are compounds that are tonght to exhibit excitotoxic effects on the neurons of the central nervous system. A change in cellular response in the presence of the agent as compared to cellular response in the absence of the agent as positive screening result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Complementary; 5' untranslated region; UTR; hepatitis C virus; HCV; inhibition; replication; expression; detection; chronic hepatitis; acute hepatitis; hepatocarcinoma; ss.
                                                                                                                                                                                                                                                                                                                                                                 Oligo:nucleotide(s) complementary to HCV 5' untranslated region - used in the treatment and detection of HCV infection, esp. hepatitis and hepato-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              06-JUN-1995;
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□ PC,
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13. .18
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0; Mismatches
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RESULT 246
AAV18052
CC Immortalized human CNS progenitor cell lines. One such cell line B4 was CC tested for the type of native channels and receptors it expressed during CC proliferating conditions and during differentiating conditions. This CC involved analysing PCR products from PCR reactions using primers for CC various channels and receptors. The primer pairs (AAV18052-V18067) used CC were for detecting NMDAR1 glutamate receptor (GluR). [GluR2, GluR3, CC GluR4, GluR5, GluR6 and GluR7. The present forward primer corresponding CC to nucleotides 1063-1080 of NMDAR1 cDNA was used with the NMDAR1 reverse CC primer (AAV18053). Cell line B4 was shown to express GluR1, GluR2, GluR3, CC GluR4 and GluR5. GluR7 was expressed only under differentiating CC conditions. The method is claimed to be useful for producing astrocytes and/or neurons by culturing the immortalized human CNS progenitor cells cunder conditions where the growth-promoting gene expression is inhibited. CC clis produced by the method are also claimed to be useful for treating CC tries where the patient is afflicted with a pathological condition CC disease, amyotrophic lateral sclerosis, stroke and traumatic head injury. These cells may also be useful for screening agents that modulate CC activity of proteins produced by a CNS cell, for detecting the presence CC affect CNS cell death or proteins that regulate CNS cell death
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Primer; PCR; amplification; NMDAR1; CNS; proliferation; astrocyte; as; differentiation; glutamate receptor; neuron; Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                          Example 3; Page 35; 75pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 1998-193609/17.
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Pred. No. 1.6e+02;
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              end and the juxta-section between coding and non-coding regions and all segments of RNAs encoding proteins associated with one or more diseases, conditions or mixtures. The antisense oligonucleotides may be derived from sequences AAX55272-74. These multiple target oligonucleotides (specifically AAX55180-271) can be used for the antisense treatment of diseases and conditions. Typical diseases and conditions are those associated with impaired respiration and inflammation, including lung diseases, pulmonary vasoconstriction, inflammation, allergic rhinitis, acute asthma, allergies, asthma, impeded respiration, respiratory distress syndrome, pain, cystic fibrosis, pulmonary hypertension, pulmonary vasoconstriction, emphysema, chronic obstructive pulmonary disease (COPD), and cancers such as leukemias, lymphomas, carcinomas e.g. colon cancer, breast cancer, lung cancer, pancreatic cancer, as hepatice calcinoma, kidney cancer, melanoma, hepatic metastases, as hepaticellular carcinoma, kidney cancer, melanoma, hepatic metastases, as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      acute asthma; allergy; asthma; impeded respiration; respiratory distress syndrome; pain; cystic fibrosis; pulmonary hypertension; pulmonary vasoconstriction; emphysema; chronic obstructive pulmonary disease; leukemia; lymphoma; carcinoma; colon cancer; breast cancer; lung cancer; pancreatic cancer; hepatocellular carcinoma; kidney cancer; melanoma; hepatic metastasis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 18
  colon cancer, breast cancer, lung hepatocellular carcinoma, kidney well as all types of cancers whice
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Antisense oligonucleotide; multiple target; antisense treatment; impaired respiration; inflammation; lung disease; pulmonary vasoconstriction; inflammation; allergic rhinitis;
                                                                                                                                                                                                                                                                                       directed against at least 2 mRNAs selected from target genes, coding and non-coding regions of RNAs corresponding to target genes, gene initiation codons, genomic flanking regions, intron-exon borders, the 5'-end, the 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         17-SEP-1997;
09-JUN-1998;
                                                                                                                                                                                                                                                                                                                                The specification describes antisense oligonucleotides (AAX52869-X55271) directed against at least 2 mRNAs selected from target genes, coding and
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                                                                                                                                                                                                                                                                                                                                                                                                                                               New antisense oligonucleotides used in treatment of, e.g. pulmonary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 1999-229400/19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        prostate cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Multiple antisense oligonucleotide 14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAX55193 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          993 ACCCTGCGGAACCGCAAG 1010
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 16;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AACCTGCAGAACCGCAAG 18
                                                                                                                                                                                                                                                                                                                                                                                           Page 74;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BP; 7 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
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98US-00093972.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.6%;
  cancers which
                                                                                                                                                                                                                                                                                                                                                                                         120pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          6 C; 4 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 14.8; DB 1;
Pred. No. 1.6e+02;
may metastasize or have metastasized
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 1; Length 18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0;
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2217 GAAGGGGCCTGGCCTTCT

2234 0,

Matches Query Match Best Local (

16;

Conservative

88.9%;

0.6%;

Score 14.8; DB 1; Pred. No. 1.6e+02;

Length 18;

Mismatches

Indels

<u>,</u>

Gaps

0;

Local Similarity

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RESULT 248
AAX04573/c
ID AAX045
XX MCG4
KW MCG4
KW MCG4
KW PCR P
XX 23-1
PR 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  23-MAY-1997;
23-MAY-1997;
23-MAY-1997;
23-MAY-1998;
22-JAN-1998;
22-JAN-1998;
                                                     PCR primers AAX04573-81 were used to amplify cDNA encoding MCG18. The MCG7 protein has gene regulatory functions, and has homology to a zinc finger protein. The specification also describes MCG4, which is homologous to guanine nucleotide exchange factor protein, and MCG7, which is homologous to a heat shock protein or heat shock-binding protein. Detection of mutations in the MCG genes can be used to identify the propensity for various types of cancer, and to treat, arrest, or otherwise ameliorate, the effects of a cancer in an animal or bird
     Sequence 18 BP; 2
                                                                                                                                                                                                                                                                                                                                                          New gene-expression regulatory genes, mcg4, mcg7, and mcg18 - encode a zinc finger protein, a GEF, and a heat shock or heat shock binding protein, useful to detect and treat cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MCG4 protein; gene regulatory function; heat shock protein; guanine nucleotide exchange factor protein; MCG7 protein; heat shock-binding protein; MCG18 protein; zinc finger protein; cancer;
                                                                                                                                                                                                                                                                                                    Example 25; Page 54; 80pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 1999-070146/06.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO9853061-A1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                22-MAY-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PCR primer HVESTF used to amplify mcg18 cDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAX04573;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAX04573
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   to the lungs, including breast and prostate cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       heat shock-binding PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     15-APR-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (COUN-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNCIL QUEENSLAND INST MEDICAL RES
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GGGGCTGGGGCCTGGGCC 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Silins
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
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97AU-00006973.
97AU-00006974.
98AU-00001458.
98AU-00001459.
98AU-00001460.
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     Α,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  entry)
     8 C; 6 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Grimmond
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Pred. No. 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gartside
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   .6e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Σ,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Hancock
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GAAGGGGCCTGGCCCGCT 1

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RESULT 249
AAA34640
                                                        The present invention describes a new composition comprising an antisense CC oligonuclectide (ON) with low adenosine (up to 15%), which targets nucleic acids involved in bronchoconstriction, allergies, and/or CC inflammation. The ON can have antiinflammatory, antiallergic, antisathmatic, cytostatic and analyseic activities. The compositions are useful for the treatment of diseases associated with inflammation, CC impaired airways, including lung disease and diseases whose secondary ce.g. ischaemic conditions, pulmonary vasoconstriction, allergies, asthma, impeded respiration, respiratory distress syndrome, pain, cystic cimpeded respiration, respiratory distress syndrome, pain, cystic conjumonary disease (COPD), and cancers such as leukaemias, lymphomas, CC fibrosis, pulmonary hypertension, emphysema, chronic obstructive complements of the lungs of a concers which may metastasise to the lungs, including carcinomas, and cancers which may metastasise to the lungs, including carcinomas, and cancers which may metastasise to the lungs, including carcinomas, and cancers which may metastasise to the lungs, including carcinomas, and cancers which may metastasise to the lungs, including carcinomas, and cancers which activates adenosine content of the constant and prostate cancer. The reduction of the adenosine content of the callesse of deoxyyadenosine which activates adenosine receptors causing concention, which correspond to SEQ ID NO:1 to 2815, and then the last 185 sequences are also called SEQ ID NO:1 to 185, but the sequences differ from the previously named sequences. SEQ ID NO:1 to 180 (AAA3323 to AAA3323) are specifically claimed ONs from the present invention on N.B. Sequences given in the disclosure of the present invention do not match useful carcers in the first corresponding SEQ ID NO: sequences given in the sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New antisense oligonucleotides useful for treating e.g. pulmonary vasoconstruction, inflammation, allergies, asthma, hypertension, bronchitis, emphysema, respiratory distress syndrome, ischemia or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Nyce
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human; adenosine receptor; low adenosine antisense oligonucleotide; phosphorothicate; impaired respiration; infilammation; allergy; allergic disease; bronchoconstriction; inhibitor; antiinflammatory; antiallergic; antiasthmatic; cytostatic; analgesic; impaired airway; lung disease; ischaemic condition; pulmonary vasoconstriction; asthma; respiratory distress syndrome; pain; cystic fibrosis; emphysema; pulmonary hypertension; chronic obstructive pulmonary disease; COPD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2000-205971/18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             03-AUG-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            03-AUG-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       cancer; leukaemia;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   related polynucleotide SEQ ID
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RESULT 250
AAZ61530
ID AAZ615
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Best Local S
Matches 16
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                                                                                                                                  PCR primers and probes AAZ61529-30 are used to amplify and identify human 5'OT-EST (oxytoxin expressed sequence tag) cDNA sequences. The 5'-OT EST gene is involved in the control of obesity and fertility in males. 5'-OT EST nucleic acids are useful for producing transgenic animals. The transgenic animals created serve as a model for human late onset obesity and other related disorders and are also used for identifying the genetic cause of obesity. Compounds which modulate 5'-OT EST expression or activity are useful in the treatment or modulation of late onset visceral obesity or male infertility particularly in the disorders related to these conditions such as wasting, or anorexia, or catabolic states with prolonged illness, or malabsorptive states or catabolic states associated with other diseases such as inflammatory conditions, Crohn's disease or AIDS wasting, or burns, or cancer, or bone disease
                                                                                                            Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     burn;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           transgenic animal; human late onset obesity; rate onset viocette owner male infertility; wasting; anorexia; cachexia; malabsorptive state; catabolic state; inflammatory condition; Crohn's disease; AIDS wasting;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Oxytoxin expressed sequence tag; 5'-OT EST; c transgenic animal; human late onset obesity;
                                                                                                                                                                                                                                                                                                                                      Disclosure; Page 26; 162pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                          Robinson ICAF,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO200009686-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Primer 4L for a human 5',-OT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAZ61530;
                                                                                                                                                                                                                                                                                                                                                                                  New anti-obesity polypeptide useful for treating obesity or infertility
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 06-MAY-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12-AUG-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      24-FEB-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                     in mammals.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (MEDI-) MEDICAL RES COUNCIL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12-AUG-1998;
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                           281 GGCCGAGGCTGACCGGAG 298
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           158 GGGCCGGGGCATGGGCC 175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       cancer;
                                                      16;
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                                                                    Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GGGGCTGGGGCC 18
                                                       Conservative
                                                                                                            BP; 2 A; 4 C; 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        bone disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              98GB-00017566
99GB-00010522
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          99WO-GB002658
                                                                                                                                                                                                                                                                                                                                                                                                                                          Stoye JP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DNA;
                                                                   0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    88.9%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PCR primer; probe; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         EST (oxytoxin expressed sequence
                                                                   Score 14.8;
Pred. No. 1.
                                                                                                            G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 14.8;
Pred. No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
                                                       Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                          Wells
                                                                   .6e+02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    .6e+02;
                                                                                   DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             obesity;
                                                                                                                                                                                                                                                                                                                                                                                                                                          SE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                late onset visceral obesity;
                                                                                Length 18;
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                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                        Le Tissier
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              fertility; male;
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                                                       Gaps
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Sequence 18

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0 U; 0 Other

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AAF20762
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                                                                                                                                                                                                                     RESULT 252
                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
Matches 16; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present sequence is one of a large number of antisense oligonucleotides designed to target different regions of the human CD44 mRNA. CD44 is a multifunctional human cell surface adhesion receptor. The oligonucleotides were analysed for effect on CD44 mRNA levels by quantitative real-time PCR analysis. Antisense oligonucleotides that inhibit CD44 expression can be used to treat CD44-associated conditions including hyperproliferative disorders, such as cancer, and inflammatory conditions, such as rheumatoid arthritis. The antisense compounds hybridise to CD44 nucleic acids, thus allowing sandwich and other assays to be easily constructed. Note: The sequence has a phosphorothicate oligonucleotide containing 2'-methoxyethyl (2'-MOE) wings and a deoxy gap. The ISIS number given above corresponds to the oligodeoxynucleotide
                                           Human multiple target antisense (MTA) oligonucleotide #2329
Low adenosine antisense oligonucleotide; phosphorothioate; allergy;
                                                                                                14-MAR-2001
                                                                                                                                       AAF20762;
                                                                                                                                                                        AAF20762 standard; DNA; 18 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New antisense compound, that inhibits the expression of human cell surface adhesion receptor CD44, for treating hyperproliferative disorders and inflammatory conditions, such as cancer and rheumatoid arthritis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 3; Page 77; 105pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2000-431564/37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Bennett CF,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 14-DEC-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; CD44; cell surface adhesion receptor; cytostatic; antirheumatic; antiinflammatory; antiarthritic; CD44 antisense inhibition; hyperproliferative disorder; cancer; inflammatory disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            17-DEC-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human CD44 antisense oligonucleotide ISIS# 18764
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO200035935-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      15-SEP-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                rheumatoid arthritis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAA52875;
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                                                                                                                                                                                                                                                                                                             TCATGTACATATTCTGCA 519
                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                      BP; 4 A; 6 C; 2 G; 6 T; 0 U; 0 Other;
                                                                                            (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Cowsert LM
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                                                                                            entry)
                                                                                                                                                                                                                                                                                                                                                                                0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        18
                                                                                                                                                                                                                                                                               18
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                                                                                                                                                                                                                                                                                                                                                                            Score 14.8; DB 1; Length 18; Pred. No. 1.6e+02;
                                                                                                                                                                                                                                                                                                                                                           Mismatches
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Matches Query Match Best Local :

158

GGGGCCGGGGCATGGGCC

175 0; Local

Similarity

0.6%;

Score 14.8; DB 1; Length 18; Pred. No. 1.6e+02;

Mismatches

0,

Gaps

0

Conservative

Sequence 18

BP; 0 A; 5 C; 11

G; 2

7, 0 ď,

0 Other;

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CC oligonucleotides and compositions (1) comprising them. In the antisense CC (1) can have respiratory, bronchodilator, antiinflammatory, analgesic, immunosuppressive, antiasthmatic, hypotensive and cytostatic activities. The antisense oligonucleotides and (1) can be used to down-regulate the compression and or activity of target polypeptides associated with the contractivity of target polypeptides associated with the contractivities and antibodies, antibody receptors, cytokines and contractivities, endogenously produced specific and non-specific enzymes, binding proteins, adenosine receptors, bradykinin receptors, cytokine and contractivities, and paripheral nervous and non-nervous system peptide receptors, binding proteins and malignancy associated proteins. The contractive polyperors, binding proteins and malignancy associated proteins. The contractive polyperors, binding proteins and malignancy associated proteins. The contractive polyperors, binding proteins and malignancy associated proteins. The contractive polyperors, binding proteins and malignancy associated proteins. The contractive polyperors, binding proteins and malignancy associated with a disease or condition respiratory obstruction (especially pulmonary obstruction contractive proteins. The condition selected from pulmonary vasoconstriction, inflammation, allergy (ses) and/or condition selected from pulmonary vasoconstriction, inflammation, emphysema, chronic obstructive pulmonary disease (COPD), pulmonary tastes syndrome (COPD), allergic rhinitis (AR), pulmonary disease (COPD), pulmonary disease (COPD), allergic rhinitis (AR), pulmonary disease (COPD), allergic rhinitis (AR) according to the pulmonary disease (COPD), allergic rhinitis (AR) and contractive pulmonary disease (COPD).
                       pulmonary transplantation rejection, pulmonary infections, bronchitis, and/or cancer. AAF18434 to AAF21543 represent human polynucleotide fragments and antisense oligonucleotides used in the exemplification of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The present invention describes low adenosine (A) content antisense
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 14; Page 624; 1592pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Low adenosine (A) content antisense oligonucleotides which do not trigger adenosine receptors during metabolism, useful e.g. for treating cancers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    human; airway disorder; bronchoconstriction; lung inflammation; surfactant depletion; respiratory; bronchodilator; antiinflammatory; immunosuppressive; antiasthmatic; analgesic; hypotensive; cytostatic; respiratory obstruction; pulmonary obstruction; impeded respiration; surfactant hypoproduction; pulmonary vasoconstriction; asthma; RDS; respiratory distress syndrome; pain; cystic fibrosis; allergic rhinitis pulmonary hypertension; emphysema; pulmonary transplantation rejection; chronic obstructive pulmonary disease; pulmonary infection; bronchitis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       and respiratory obstructions.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cancer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         UNIV EAST CAROLINA.
invention
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                                  exemplification of
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RESULT 253
AAF21465
                                                    The present invention describes low adenosine (A) content antisense CC oligonucleotides and compositions (I) comprising them. In the antisense CC oligonucleotides the A is replaced by a 'Universal' or alternative base. CC (I) can have respiratory, bronchodilator, antiinflammatory, analgesic, The antisense oligonucleotides and (I) can be used to down-regulate the CC expression and or activity of target polypeptides associated with CC lung/respiratory disorders and malignancies, such as stimulating and CI chemokines, endogenously produced specific and non-specific enzymes, CC immunoglobulins and antibodies, antibody receptors, cytokines and CC chemokine receptors, adenosine receptors, binding proteins, adhesion molecules and thair receptors, cytokine and CC chemokine receptors, adenosine receptors, bradykinin receptors, central craceptors, CNS and peripheral nervous and non-nervous system CC receptors, binding proteins and malignancy associated proteins. The CC antisense oligonucleotides may be used in this way to treat disorders cincluding respiratory obstruction (especially pulmonary obstruction and/or bronchoconstriction) and/or lung inflammation, allergy(ies) and/or condition selected from pulmonary vasoconstriction, inflammation, allergy(ies) and/or condition selected from pulmonary vasoconstriction, inflammation, camphysema, chronic obstructive pulmonary disease or conditions, emphysema, chronic obstructive pulmonary disease (COPD), hypertension, emphysema, chronic obstructive pulmonary disease (COPD), bypertension, emphysema, chronic obstructive pulmonary disease (COPD), bronchitis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           surfactant depletion; respiratory; bronchodilator; antiinflammatory; immunosuppressive; antiasthmatic; analgesic; hypotensive; cytostatic; respiratory obstruction; pulmonary obstruction; impeded respiration; surfactant hypoproduction; pulmonary vasoconstriction; asthma; RDS; respiratory distress syndrome; pain; cystic fibrosis; allergic rhinitis; pulmonary hypertension; emphysema; pulmonary transplantation rejection;
pulmonary transplantation rejection, pulmonary infections,
and/or cancer. AAF18434 to AAF21543 represent human polynus
fragments and antisense oligonucleotides used in the exemp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Low adenosine (A) content antisense oligonucleotides which do not trigger adenosine receptors during metabolism, useful e.g. for treating cancers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2000-679539/66
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO200062736-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  and respiratory obstructions.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (UYEC-) UNIV EAST CAROLINA.
(NYCE/) NYCE J W.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                26-OCT-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cancer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     chronic obstructive pulmonary disease; pulmonary infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Low adenosine antisense oligonucleotide; phosphorothicate; allergy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human multiple target antisense (MTA) oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      14-MAR-2001 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                airway disorder; bronchoconstriction; lung inflammation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Page 297; 1592pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      99US-0127958P
  used in the exemplification
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RESULT 254
AAS05704/c
ID AAS057
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Best Local s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
                                     The sequence is the polypimidine region of SBNP DYS271 on the Crick strand, 3' to the SNP score site used in the method of the invention. The invention relates to analysing target nucleic acid sequences comprising restricting isolated DNA, hybridising at least one triplex forming oligonucleotide (TFO), adding a 3' to 5' exonuclease to form a protected nucleic acid sequence (PNAS) tail structure, hybridising the captured structure with a single nucleotide polymorphisms (SNP) identification probe and determining the SNP score. The methods can be used for analysing target nucleic acid sequences, especially genomic DNA sequences, to determine if they contain SNPs or short tandem repeats (STRS). The methods can be used to detect SNPs for use in population genetics, drug development, forensics, cancer, genetic disease research, genomic analysis, diagnostics and therapeutics in humans, plants and
                                                                                                                                                                                                                                                                                            Analyzing target nucleic acid sequences, useful for population genetics, drug development and diagnosing cancer, comprises hybridizing triple forming oligonucleotide and probe to target sequence.
                                                                                                                                                                                                                                                                                                                                                    WPI; 2001-343488/36.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     03-NOV-1999; 99US-0163356P
03-NOV-1999; 99US-0163416P
21-DEC-1999; 99US-0171348P
07-JUL-2000; 2000US-0216579P
                                                                                                                                                                                                                                                              Example 1; Page 64; 141pp; English.
                                                                                                                                                                                                                                                                                                                                                                                           Oste CC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Triplex forming oligonucleotide; TFO; protected nucleic acid sequence; PNAS; single nucleotide polymorphism; SNP; short tandem repeat; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       07-SEP-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 18 BP; 0 A; 5 C; 11 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                       (CYGE-) CYGENE (OSTE/) OSTE C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  03-NOV-2000; 2000WO-US030534.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10-MAY-2001.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SNP DYS271; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Polypyrimidine region of SNP DYS271 target sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAS05704;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAS05704 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 158 GGGGCCGGGGCATGGGCC 175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 GGGGCTGGGGCCTGGGCC
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                                                                                                                                                                                                                                                                                                                                                                                                                          C.
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Pred. No. 1
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Query Match 0.6%; Best Local Similarity 88.9%; Matches 16; Conservative

Score 14.8; DB 1; Pred. No. 1.6e+02; 0; Mismatches 2;

Length 18;

Indels

0,

Gaps

0

Sequence

18

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G; 0 T; 0

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Other;

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RESULT 256
ABS65939/c
ID ABS659
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AC ABS659
XX
DT 15-NOV
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ABL30863
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                                                                                                                                                                                    Query Match
Best Local
                                                                                                                                                                        Matches
                                                                                                                                                                                                                                          The invention relates to a typing kit for judging human leukocyte antigen (HLA) genotype of a sample by hybridising a substrate on which 10-24 base oligonucleotides (ABLJOSI2-ABLJOSI2) originating in the sequences of genes e.g. belonging to HLA class I antigens on human genome and containing gene polymorphisms as alloantigens have been immobilised as primers for amplification of cleaved nucleic acids relating to gene polymorphisms. The method is useful for judging HLA genotypes of individuals by determining immunogenetic differences before transplanting between them, providing genetic information to decide compatibility of organ and tissue for transplantation e.g. of bone marrow, kidney, liver, pancreas, Langerhans islet in pancreas and cornea, susceptibility pancreas, Langerhans islet in pancreas and cornea, susceptibility
 15-NOV-2002
                            ABS65939;
                                                                                                                                                                                                                          Sequence 18
                                                     ABS65939
                                                                                                                                                                                                                                                                                                                                                                                                                                              Human leukocyte antigen (HLA) ty individuals e.g. by determining transplanting between them.
                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; human leukocyte antigen; HLA; genotype; polymorphism; immunogenetic; transplantation; genetic disease; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2002-122074/16.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Inoko H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              01-JUN-2000; 2000JP-00164798
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                                                                                                                                                                     Local Similarity
nes 16; Conserv
                                                                                                                                            1071 GAGAATGAAGTGTACAAG 1088
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SYSTEM RES INC.
                                                     standard;
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                                                                                                                                                                                                                                                                                                                                                                                                                     Page 160; 345pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Kagiya T,
                                                                                                                                                                                                                    BP; 7 A; 2 C; 5 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                     Conservative
(first entry)
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                                                     DNA; 18
                                                                                                                                                                                0.6%;
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                                                     ВP
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                                                                                                                                                                                Score 14.8;
Pred. No. 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            typing, useful for judging HLA going immunogenetic differences when
                                                                                                                                                                     Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQ ID
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                                                                                                                                                                                           Length 18;
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RESULT 257
ABZ96456
ID ABZ964
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AC ABZ964
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DT 17-OCT
XX
DE Human
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                                                                                                                                                                                                            Matches
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Best Local Similarity
                              17-OCT-2003
                                                                                                                                                                                                                                                                                      The invention describes synthetic oligonucleotides complementary to a portion of the 5' untranslated region of hepatitis C virus. The oligonucleotides may be used in methods for controlling, preventing, and treating hepatitis C virus infection, in antisense technology and gene therapy, and of detecting the presence of hepatitis C virus in a sample. Hepatitis C virus (HCV) is an enveloped, positive sense, single-stranded RNA virus which infects hepatocytes. HCV is the major cause of non-A, non-B, acute and chronic hepatitis, and has been associated with hepatocellular carcinoma. The invention describes methods and kits for inhibiting replication of HCV, inhibiting the expression of HCV nucleic acid and protein, and for treating HCV infections. This sequence represents a synthetic DNA-RNA hybrid oligonucleotide used for inhibiting HCV replication and expression of HCV
Human nucleic acid sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic oligonucleotides complementary to a portion cuntranslated region of hepatitis C virus (HCV), useful treating HCV infections and hepatocellular carcinoma.
                                                                                   ABZ96456 standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Kilkuskie RL, rıa....
'- HA, Roberts NA,
                                                                                                                                                                                                                                                                Sequence 18 BP;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2002-537132/57.
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(FRAN/)
(GOOD/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Hepatitis C virus; HCV; hepatocyte infection; non-A hepatitis; non-B hepatitis; acute hepatitis; chronic hepatitis; hepatocellular carcinoma; virucide; cytostatic; antisense therapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             06-JUN-1995;
02-JUL-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               gene therapy; ss; DNA-RNA hybrid.
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GOODCHILD J.
WOLFE J L.
ROBERTS P C.
HAMLIN H A.
ROBERTS N A.
WALTHER D M.
                                                                                                                                                                    TCCGCCCTCCAGGACCTC 389
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                                                                                                                                                     TCAGCCCTCCAGGACCCC 1
                                                                                                                                                                                                           Conservative
                            (first entry)
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                                                                                                                                                                                                                                                               2 A;
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96US-0021104P.
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Walther DM;
                                                                                   ВÞ
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                                                                                                                                                                                                                      Score 14.8;
Pred. No. 1.
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                                                                                                                                                                                                         Mismatches
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                                                                                                                                                                                                                                   DB 1;
                                                                                                                                                                                                                                                               0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       of the 5'
l for diagnosing and
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RESULT 258
ABZ97159
ID ABZ971
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AC ABZ971
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DT 17-OCT
XX
DE Human
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                                                                                                                                                                                                                                                                                                                                                              The invention relates to a novel pharmaceutical composition, which has a CC first active agent comprising an oligonucleotide antisense to the CC initiation codon, coding region, 5' or 3' end genomic flanking regions, CC 5' and 3' intron-exon junctions, or regions within 2-10 nucleotides of CC junctions of genes encoding a polypeptide associated with lung and/or CC nasal airway dysfunction and a second active agent comprising an CC antiinflammatory steroid and ubiquinone. A composition of the invention CC immunosuppressive, and cytostatic activity. The composition may have a CC use in antisense gene therapy. The composition is useful for treating or preventing a respiratory, lung or malignant disease or condition, also CC for enhancing the prophylactic or therapeutic respiratory effect of an antisnflammatory steroid in a subject, for reducing or depleting levels of of, or reducing sensitivity to adenosine, reducing levels of adenosine composition, producing bronchodilation, increasing levels of ubiquinone or CC lung surfactant in a subject, tissue, or treating bronchoconstriction, CC lung inflammation, lung allergies, or a respiratory disease or condition. CC Note: The sequence data for this patent is not represented in the printed CC specification, but was obtained in electronic format directly from WIPO CC at fig. wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                    Query Match
Best Local S
Matches 16
 Human MTA oligonucleotide
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Miller S,
                                       17-OCT-2003
                                                                                                                                                                                                                                                                                                                                                              Sequence 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; antisense; lung dysfunction; nasal airway dysfunction; antiinflammatory steroid; ubiquinone; antiinflammatory; antiallergic; antiasthmatic; hypotensive; immunosuppressive; cytostatic; gene therapy; antisense gene therapy; respiratory; lung; adenosine sensitivity; adenosine receptor; bronchodilation; bronchoconstriction; lung allergy; adenosine receptor; bronchodilation; bronchoconstriction; lung allergy;
                                                                            ABZ97159
                                                                                                               ABZ97159 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; SEQ ID NO 11698; 872pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Pharmaceutical composition for treating ailments associated with impaired respiration, has oligo(s) antisense to specific gene(s) or its corresponding RNAs, and glucocorticoid or non-glucocorticoid steroid or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2003-229219/22.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             inflammation; respiratory disease; ds.
                                                                                                                                                                                                                                              158 GGGGCCGGGCATGGGCC 175
                                                                                                                                                                                                                                                                                                       Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EPIGENESIS PHARM INC
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Tang
                                                                                                                                                                                                                                                                                                                                                            BP; 0 A; 5 C; 11 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                      Conservative
                                     (first entry)
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L, Shahabuddin
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Pred. No. 1.
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ABD20418
ID ABD2
XX
AC ABD2
XX
AC ABD2
XX
DT 29-J
XX
DE Huma

29-JUL-2004 ABD20418;

(first entry)

Human pulmonary and inflammatory target DNA

밁 8

Matches

16;

Conservative

0,

Mismatches

Indels .

0

Gaps

0

158 GGGGCCGGGCATGGGCC 175

18

RESULT 259

ABD20418 standard;

DNA;

18

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junctions of genes encoding a polypeptide associated with lung and/or chasal airway dysfunction and a second active agent comprising an antinflammatory steroid and ubiquinone. A composition of the invention has antiinflammatory, antiallergic, antiasthmatic, hypotensive, immunosuppressive, and cytostatic activity. The composition may have a use in antisense gene therapy. The composition is useful for treating or preventing a respiratory, lung or malignant disease or condition, also for enhancing the prophylactic or therapeutic respiratory effect of an antiinflammatory steroid in a subject, for reducing or depleting levels of, or reducing sensitivity to adenosine, reducing levels of adenosine receptor, producing bronchodilation, increasing levels of adenosine lung surfactant in a subject's tissue, or treating bronchoconstriction, lung surfactant in a subject's tissue, or respiratory disease or condition. Note: The sequence data for this patent is not represented in the printed specification, but was obtained in electronic format directly from WIPO at firm wino intentional contents.
                                                  Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pharmaceutical composition for treating ailments associated with impaired respiration, has oligo(s) antisense to specific gene(s) or its corresponding RNAs, and glucocorticoid or non-glucocorticoid steroid or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             antiasthmatic; hypotensive; immunosuppressive; cytostatic; gene therapy; antisense gene therapy; respiratory; lung; adenosine sensitivity; adenosine receptor; bronchodilation; bronchoconstriction; lung allergy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human; antisense; lung dysfunction; nasal airway dysfunction; antiinflammatory; steroid; ubiquinone; antiinflammatory; antiallergic; antiasthmatic; hypotensive; immunosuppressive; cytostatic; gene thera
                                                                                                                                                             Sequence 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention relates to a novel pharmaceutical composition, which has first active agent comprising an oligonucleotide antisense to the initiation codon, coding region, 5 or 3' end genomic flanking regions, 5' and 3' intron-exon junctions, or regions within 2-10 nucleotides of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; SEQ ID NO 12401; 872pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2003-229219/22.
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CC surfactant depletion or hyposecretion, when administered to a mammal. The claymout of dysfunction of a target polypeptide associated with lung airway or lung CC dysfunction or cancer and can be anti-sense to the corresponding mRNA. CC The invention also describes a kit, that comprises: (a) a delivery CC device, in separate containers, (b) the oligonucleotides, (c) instructions for adding a carrier and for use of the kit. The composition of the invention has antiallergic, antiinflammatory, antiasthmatic, CC analgesic, hypotensive, immunosuppressive and cytostatic activity, is a beta-adrenergic agonist. The composition is useful for preventing or treating a respiratory, lung or malignant disease. The administered CC composition, comprises oligo and is administered to reduce the production or availability, or to increase the degradation of the target mRNA or to CC reduce the amount of target polypeptide present in the lungs. The CC pulmonary obstruction, and/or bronchoconstriction and/or lung CC inflammation, allergies and/or bronchoconstriction and/or lung CC inflammation, allergies and/or bronchoconstriction and/or lung CC distress syndrome, pain, cystic fibrosis, allergic rhinitis, pulmonary hypertension, emphysema, chronic obstructive pulmonary disease, pulmonary transplantation rejection, pulmonary infections, bronchitis or cancer. CC thymidines present in the target RNA serves to prevent the breakdown of the oligonucleotides into products that free adenosine into the system e.g., lung, brain, heart, kidney, etc, tissue environment and thereby, to prevent any unwanted effects due to it.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Nyce JW,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pharmaceutical composition for treating asthma, has antisense oligonucleotide containing less percentage of adenosine, targeted to nucleic acids associated with lung airway or lung dysfunction, and
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Best Local S
Matches 16
                                                                                                                                        The invention relates to a biochip (1) that comprises a support (2) the functional side of which has a working surface (3) with a network of elementary sites (Xn), with many ligands, different for each Xn, attached to them. The new feature is that Xn are distributed between: a central zone (4), designed for detection of at least one trarget species, with each site containing ligands for a particular target; and a peripheral zone (5), surrounding (4) and containing control sites, which optionally carry control ligands. The blochip is used for analysis in molecular biology. The specified arrangement of sites allows not only determination of many targets but also monitoring of the determination and of the operating conditions. The signals emitted from the chip are not affected by the geometrical environment of the chip, for any of the elementary sites. The current sequence represents a fragment of a mutant gene that is related to cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             the oligonucleotides into products that free adenosine into the system e.g., lung, brain, heart, kidney, etc, tissue environment and thereby, prevent any unwanted effects due to it
                                                                                                                                                                                                                                                                                                                                                                                                               Biochip, useful in molecular biology, comprises a central array of sites carrying analytical ligands and a peripheral region containing control
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mutant gene fragment designated 175AS1.
                                                                                                                 Sequence 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2004-042856/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Cuzin M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 23-MAY-2003; 2003WO-FR001574.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             04-DEC-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO2003100423-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Biochip; target; ligand; analysis; molecular biology;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             11-MAR-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADH08326;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADH08326 standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 18 BP; 0 A;
                                                                                                                                                                                                                                                                                                                                                                      Example
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (APIB-) APIBIO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    24-MAY-2002; 2002FR-00007039
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          158 GGGGCCGGGCATGGGCC 175
18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       l Similarity
16; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 GGGGCTGGGGCC 18
                                                                      Similarity
                                                                                                                                                                                                                                                                                                                                                                    2; Page 17; 28pp;
                           GATGCCGCCACCATGAGC 2069
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mandrand
                                                                                                                 B₽;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                        Conservative
                                                                                                                 2 A;
                                                                     88.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         'n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.6%;
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                                                                                                                 4 C; 9 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Cleuziat
                                                                                                                                                                                                                                                                                                                                                                       French.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       <u>,</u>
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Pred. No. 1.
                                                                     Score 14.8; DB 1;
Pred. No. 1.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
                                                        Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ۵,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Abaibou
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1.6e+02;
                                                                                   DB 1; Length 18,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 1; Length 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                       0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0
                                                        Gaps
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RESULT 263
ADM76423/c
ID ADM764
XX
AC ADM764
XX

ADM76423

ADM76423 standard;

DNA;

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ADM69504/c
                                                                                                                                                               The present invention relates to a primer set and method for mapping at cleast the variation/mutation part of a plant gene using a gene polymorphism marker. A mutation site of the plant gene is mapped by utilizing a genetic polymorphism marker as follows: (a) genomic DNA is prepared from a plant homozygously having a mutation to be an object of the mapping; (b) A forward primer 1 containing a base corresponding to the gene polymorphic maker of one ecotype plant, a forward primer 2 containing a base corresponding to the genetic polymorphism of the other ecotype plant and a reverse primer 3 based on the base sequence common with both the ecotype plants are prepared; (c) two kinds of coligonucleotides emitting fluorescence of different colors when the genetic polymorphism marker is detected are prepared; (d) an amplification reaction of the genomic DNA is carried out in the presence of the primers 1, 2 and 3 and the two kinds of the oligonucleotides; (e) the fluorescence intensity emitted from the reactional product is detected and (f) the position on the genome of the mutation site is determined from the results of detection. The present sequence is a grimer, used to illustrate the invention.
                                                               Query Match
Best Local S
Matches 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A primer set and method useful for mapping at least the variation/mutation part of a plant gene using a gene polymorphism marker.
                                                                                                                                   Sequence 18 BP; 7 A; 6 C; 4 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Primer; variation mapping; mutation mapping; plant; gene polymorphism marker; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2004-126231/13.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (RIKA ) RIKAGAKU KENKYUSHO.
(SAIM-) SAI MEDIA KK.
(MATS/) MATSUI M:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          01-FEB-2002; 2002JP-00025338
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          31-JAN-2003; 2003JP-00024620
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Plant gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  03-JUN-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADM69504;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADM69504 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (NAKA/) NAKAZAWA M.
                       547 ACTTCACTTGGCTGGTGT 564
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                7; SEQ ID NO 383; 120pp; Japanese.
18
                                                                   16;
                                                                                   Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               polymorphism marker related primer, SEQ ID
                                                                   Conservative
                                                                                 0.6%;
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                                                                 0;
                                                                                   Score 14.8;
Pred. No. 1.
                                                                   Mismatches
                                                                                     1.6e+02
                                                                                                   DB 1; Length 18;
                                                                   Indels
                                                               0:
                                                                   Gaps
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RESULT 264
ADR72762
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Best Local :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New RHBDF1 polypeptide useful for diagnosing, cell proliferative disease, e.g. cancer or as developing drugs against the disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   01-JUL-2004 (first entry)
                                                                                                                      monoclonal antibody;
non-small cell lung of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ss; primer; cytosta
cell proliferative
                                                                                                           primer;
                                                                                                                                                       Monoclonal antibody-related HoAKs-1 PCR primer -
                                                                                                                                                                             02-DEC-2004
                                                                                                                                                                                                                       ADR72762 standard;
                                                                                                                                                                                                                                                                                                                                                                 Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; SEQ ID NO 12; 90pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2004-347962/32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Nakamura Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (ONCO-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  30-SEP-2002; 2002US-0414867P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        29-JUL-2003; 2003WO-JP009589
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              15-APR
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens
                                                                 WO2004076658-A1
28-FEB-2003; 2003JP-00054670
                     27-FEB-2004; 2004WO-JP002402.
                                                                                      Unidentified
                                                                                                                                                                                                                                                                                                  899
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             myeloid leukemia related
                                                                                                                                                                                                                                                                            18
                                                                                                                                                                                                                                                                                                                       16;
                                                                                                                                                                                                                                                                                                                                  Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ONCOTHERAPY SCI
UNIV TOKYO.
                                                                                                           88
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                                                                                                                                                                                                                                                                            GACACACTACCTGCAGAC 1
                                                                                                                                                                                                                                                                                                  GACACACAACCTGCTGAC 685
                                                                                                                                                                                                                                                                                                                                                                 BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cytostatic; gene therapy; myeloid leukemia gene; RHBDFl; erative disease; cancer; diagnosis.
                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Katagiri
                                                                                                                                                                             (first entry)
                                                                                                                                                                                                                                                                                                                                                                 2 A;
                                                                                                                                                                                                                       DNA;
                                                                                                                                                                                                                                                                                                                                 0.6%;
                                                                                                                       cancer;
                                                                                                                                                                                                                                                                                                                                                                 3 C;
                                                                                                                                 cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            H
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                                                                                                                                                                                                                       ₽P
                                                                                                                      pancreatic
                                                                                                                                                                                                                                                                                                                       0;
                                                                                                                                                                                                                                                                                                                                                                 G; 6 T;
                                                                                                                                                                                                                                                                                                                                 Score 14.8; DB 1;
Pred. No. 1.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             gene RHBDF1 oligonucleotide #12.
                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                                 immunotherapy;
                                                                                                                                                                                                                                                                                                                                                                 0 U;
                                                                                                                       carcinoma;
                                                                                                                                                                                                                                                                                                                                                                  0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      treating
a target
                                                                                                                                                                                                                                                                                                                                           Length 18;
                                                                                                                                                       SEQ
                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                       stomach cancer;
                                                                                                                                                         ä
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       or preventing molecule for
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                                                                                                                        PCR;
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RESULT 265
AAT00705/c
ID AAT007
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     PRINCE PR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
Matches 16; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to a novel monoclonal antibody which is produced by hybridomas that are obtained by fusing lymphocytes originating in a cancer tissue of a cancer patient with mouse myeloma cells. The antibody of the invention demonstrates cytostatic activity and may be useful during immunotherapy for treating cancer, such as non-small cell lung cancer, pancreatic carcinoma and stomach cancer. The antibody may be used alone or may be bound to the surface of a liposome encapsulating a toxin or anticancer drug. The current sequence is that of a monoclonal antibody related HOAKS-1 PCR primer of the invention.
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Kumai K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (MITS-)
                                             New human trkB and trkC poly:peptide(s) also DNA, vectors and transformed cells of abnormal neurotrophic factor expressi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               trkC receptor; tyrosine-kinase; enzyme; protease; inflammation; pai
diagnosis; neurotrophic factor; kidney; lung; psychiatric disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    09-JUL-2003; 2003JP-00194643.
Disclosure; Page 70; 117pp; English
                                                                                                                                                                                                                                                                                             05-AUG-1994;
20-DEC-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human trkC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      08-JUL-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAT00705;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 13; SEQ ID NO 128; 133pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2004-662011/64.
                                                                                                                                             WPI; 1995-344616/44.
                                                                                                                                                                                             Presta LG,
                                                                                                                                                                                                                                                                                                                                             18-MAR-1994;
                                                                                                                                                                                                                                                                                                                                                                                             17-MAR-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                           28-SEP-1995.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO9525795-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DNA primer;
                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1091
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        monoclonal antibody useful as drug cell lung cancer, pancreatic carcin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ۲
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UNIV KEIO.
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Fukuda K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GGTGATCTTCGAGGAGGG 1108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GGTGCTCTTGGAGGAGGG 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   receptor TK insert sense DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PCR; polymerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     BP; 2 A; 2 C; 10
                                                                                                                                                                                             Shelton
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first
                                                                                                                                                                                                                                                                                             94US-00215139.
94US-00286846.
94US-00359705.
                                                                                                                                                                                                                                                                                                                                                                                             95WO-US003426
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                                                                                                                                                                                             DI,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.6%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      19
                                                                                                                                                                                                Urfer
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 14.8;
Pred. No. 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ķ
                                                                                                                                                                                                ₽,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mismatches
                                                expression,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Itami S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   carcinoma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1.6e+02
                                                                         and fusion proteins contg. them - useful in treatment and diagnosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 1;
                                                e.g.
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Microsatellite markers based on hypervariable genomic fragments, from CT Triticum aestivum (wheat) or the tribe Triticeae, consist of a sequence tagged site (STS), defined by 2 specific primers (of mean size 17-23 CC bases) that flank a microsatellite sequence at both ends, which can be CC microsatellites are n-fold tandem repeats (n = 10 or more) of di-, tri- CC or tetra-nucleotide sequences, combination microsatellite sequences or an imperfect sequence in which individual bases are mutated. The CC microsatellite markers can be used for genetic analysis of hexaploid and tetraphoid forms of wheat and for genetic mapping or labelling of CC monogenic and polygenic properties, and for their selection; for CC analysing relationships and identifying varieties; and for evaluating CC varietal purity, hybrid identification and plant growth. The markers can CC differentiate between almost all European wheat lines and show a higher CC degree of DNA polymorphism than known probes for the wheat genome. They CC can be detected by PCR, so large numbers of samples can be analysed CC easily (e.g. several hundred per day). Microsatellite marker-related CC polymorphism are stably inherited so can also serve as genetic markers. ANT77003-22 and AAT77535-716 are primer pairs that define the microsatellite markers. MMS122 has CT and CA type repeats
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AAT77561/c
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         This TK insert sense DNA primer was used in a Northern blot analysis to examine expression patterns of the trkC receptor in human tissue
                                                                                                                                                                                                                                                                                                                                                                                                                   Claim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 1997-053731/06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Roeder M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAT77561 standard; DNA; 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      28-JUN-1995;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      for STS micro: satellite markers for wheat and related species
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   genetic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 mapping, analysis
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Pred. No. 1.6e+02;
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RESULT 267
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Matches 16
                                                                                                                         The invention relates to a mammalian PGI gene and protein, and a set of CC PGI biallelic markers. The PGI polynucleotide and biallelic markers are C used in a hybridisation assay, a sequencing assay, or in an allele-cc specific amplification assay for determining the identity of a nucleotide at a PGI-related biallelic marker. The methods can be used to detect and CC diagnosis of prostate cancer relies on prostate specific antigen (PSA) CC dosage. However, the effectiveness of this is limited due to its inability to discriminate between malignant and non-malignant affections CC the organ. A need exists for both a reliable diagnostic procedure which would enable early-stage diagnosis, and for preventative and CC which would enable early-stage diagnosis, and for preventative and CC curative treatments of the disease. The PGI gene can be used for detection of prostate cancer, and the risk of developing it in the CC future, and can also be used to determine therapies for the disease.
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                                                                                                      Sequence 19
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09-SEP-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                       Cohen D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   22-DEC-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PGI gene; biallelic marker; PCR primer; PGI-related biallelic marker; cancer; prostate cancer; diagnosis; therapy; prostate specific antige
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  27-SEP-1999
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PSA; human; 88
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                                                  Conservative
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98US-0099658P
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                                                              1.6e+02
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                                                                            DB 1;
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RESULT 269
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Matches 16
                                      Interphotoreceptor matrix; IPM; proteoglycan; IPM150; IPMC; IPM200; chromosome 6q13-q15; occular disease; retinal detachment; chorioretinal degeneration; retinal degeneration; cone degeneration age related macular degeneration; photoreceptor degeneration; retinal pigment epithelium degeneration; mucopolysaccharidosis;
                                                                                                                                                                                          Primer IPM14F for interphotoreceptor matrix proteoglycan IPM150 cDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     This invention describes a novel isolated and purified polypeptide (I), belonging to the trk family of receptor tyrosine kinases, trkB and trkC. (I) are useful in the purification of human neurotrophic factors and in the diagnosis of various human pathological conditions associated with elevated or reduced levels of neurotrophins capable of binding trkB and/or trkC. AAZ88843-Z88868 represent primers used in the isolation of the trkA, trkB and trkC receptor proteins described in the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     18-MAR-1994;
05-AUG-1994;
19-MAY-1995;
                                                                                                                                                                                                                                                         04-SEP-2000
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                                                                                                                                                                                                                                                                                                                                                           AAA46217 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New human trk receptors useful in the diagnosis of various human pathological conditions associated with elevated or reduced leveleurotrophins capable of binding trkB and/or trkC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure;
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                   dystrophy; cone-rod
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94US-00286846.
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             degeneration;
rod dystrophy;
                                                                                                                                                                                                                                                                                                                                                           BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            <u>,</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 14.8;
Pred. No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mismatches
             mucopolysaccharidosis; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    .6e+02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            or reduced levels
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                                                                                       degeneration;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
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RESULT 270
AAA84585/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cc interphotoreceptor matrix (IPM) proteoglycan, designated IPM150. The CC protein is an IPM component (IPMC). Two subfamilies of IPMC9, IPM150 and CC IPM200, exist. The human IPM150 gene is located on chromosome 6q13-q15, CC between markers CHIC.GATA11F10 and D65284. The IPM proteins may be used to supplement a patients own production of the protein or to rectify alterations in their nucleic acids that result in expression of an inactive protein. The IPM nucleic acids may be used in this way to treat ocular diseases such as retinal detachment, chorioretinal degeneration, retinal degeneration, age related macular degeneration, photoreceptor degeneration, RPE (retinal pigment epithelium) degeneration, come degeneration, mucopolysaccharidosis, rod-cone dystrophy and cone-rod dystrophy. The nucleic acids and proteins may also be used to treat ocular diseases. The nucleic acids and proteins may be used to treat ocular diseases. The nucleic acids and proteins may also be used as diagnostic reagents to detect the presence of IPM nucleic acids and their products in samples from patients according to standard
                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local S
Matches 16
04-DEC-1998;
                            06-DEC-1999;
                                                                                                                           Mammalia
                                                                                                                                                         Ribozyme;
                                                                                                                                                                                      Cyclin E ribozyme binding site #118.
                                                                                                                                                                                                                         04-DEC-2000
                                                                                                                                                                                                                                                       AAA84585;
                                                                                                                                                                                                                                                                                      AAA84585
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 19 BP;
                                                           08-JUN-2000
                                                                                         WO200032765-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PCR primers AAA46209-42 were used to amplify cDNA encoding an interphotoreceptor matrix (IPM) proteoglycan, designated IPM150. Two subfamilies of IPMCs, IP protein is an IPM component (IPMC). Two subfamilies of IPMCs, IPMCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Nucleic acids encoding interphotoreceptor matrix proteoglycans useful for preventing, diagnosing and treating ocular disorders such as retinal detachment and chorioretinal degeneration.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 43; Page 44; 183pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Hageman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  29-OCT-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             11-MAY-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (IOWA ) UNIV IOWA RES FOUND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO200026367-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                   1184
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                                                                                                                                                                                                                                                                                                                                                                                                                                   16;
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                                                                                                                                                                                                                                                                                      standard; DNA; 19 BP
                                                                                                                                                                                                                                                                                                                                                                   CCTCTCCTCCAACAC
                                                                                                                                                                                                                                                                                                                                                                                                  CCTCTTCTCCTCCGACAC 1201
                                                                                                                                                       hairpin;
                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Kuehn
                                                                                                                                                                                                                      (first entry)
98US-0110954P
                            99WO-US028772
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                98US-00183972
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A; 1 C; 10 G; 4 T; 0 U; 0 Other;
                                                                                                                                                    hammerhead; gene therapy; vasotropic; restenosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                             0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     English.
                                                                                                                                                                                                                                                                                                                                                                     N
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 14.8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Pred. No. 1.6e+02
                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 19;
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RESULT 271
AAH59747/c
ID AAH597
XX AAH597
XX AAH597
XX TO-SEP
XX Cyclin
XX Human;
KW recogn
KW prolif
KW cytoki
KW antips
KW antips
KW asickle
XX Synthe
XX Synthe
XX WO2001
XX WO2001
XX ROBOIL
XX TYPERTI
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Best Local S
Matches 16
                                                                                                                                                                                                                                                                                          Synthetic
                                                                                                                                                                                                                                                                                                                                                         Human; ribozyme therapy; hairpin ribozyme; hammerhead ribozyme; recognition site; target; ribozyme binding site; eye disease; vulnerary; proliferative disease; skin disease; psoriasis; diabetic retinopathy; cytokine; inflammation; cell-cycle dependent kinase; cyclin; MMP; matrix metalloproteinase; growth factor; reductase; scarring; cytostatic; antipsoriatic; dermatological; antiseborrheic; antidiabetic; virucide; antisickling; ophthalmological; keratolytic; gene therapy; viral wart; atopic dermatitis; actinic keratosis; squamous cell carcinoma; beborrheic wart; vitreoretinopathy; scar;
Treating proliferative skin or eye that cleave RNA encoding cytokines
                                                                                                                                                        26-OCT-1999;
                                                                                                                                                                                      26-OCT-2000; 2000WO-US029500
                                                                                                                                                                                                                                                          WO200130362-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Cyclin E ribozyme binding site SEQ ID NO:2171.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAH59747 standard; DNA; 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present invention relates to a hairpin or hammerhead ribozyme, designed to cleave RNA encoding a cyclin or cell-cycle dependent kinas other than cell-cycle dependent kinases CDKI, PCNA and Cyclin B1. Representative examples of ribozyme recognition sites are given in AAAB2315 to AAAB6787. The ribozyme of the invention is useful for inhibiting restenosis by introduction of the ribozyme into cells. The ribozyme is resistant to endonuclease activity and hence is efficient
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     10-SEP-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New hairpin and hammerhead ribozyme RNA encoding a cyclin or cell-cycle
                                                                                                                      (IMMU-) IMMUSOL INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   restenosis treatment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (IMMU-) IMMUSOL INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      encoding a cyclin or and Cyclin B1.
                                                   2001-300427/31.
                                                                                                                                                                                                                                                                                                             sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 Similarity
                                                                                                                                                                                                                                                                                                                                             cell retinopathy;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TCAGCCAGGACACAATAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TCAGCCGGGACACCATAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Welch PJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               BP; 3 A; 4 C; 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Page 79;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
                                                                                     Tritz R;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                      99US-0161532P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        109pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Barber JR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 14.8; DB 1;
Pred. No. 1.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Robbins JM
 involved
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        for inhibiting restenosis, cleaves dependent kinase other than CDK1,
 and scarring, using ribozymes in inflammation, matrix
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ۲.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 19;
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RESULT 272
ABL57139/C
ID ABL5711
XX ABL5711
XX ABL571
XX PKW; h
KW diagno
XX Homo s
XX --
BP 1158
XX --
BP 23-WAY
XX 23-WAY
XX 23-WAY
XX 23-WAY
XX ABL57
XX ABL57
XX ABL57
XX ABL57
XX ABL57
XX WPI; 2
XX The pr
CC -5 was
CC The pr
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CC dependent kindse, growth factor or a reductase, or administering a CC nucleic acid molecule (II) comprising a promoter operably linked to a CC nucleic acid molecule (II) comprising a promoter operably linked to a CC nucleic acid segment encoding (I). (I) can have antipsoriatic, CC dermatological, cytostatic, antiseborrheic, antidiabetic, antisickling, CC ophthalmological, vulnerary, keratolytic and virucide activities, and CC ophthalmological, vulnerary, keratolytic and virucide activities, and CC ophthalmological, vulnerary, keratolytic and virucide activities, and CC diseases RNA encoding cytokine involved in inflammation. (I) can be used in gene therapy. (I) and (II) are useful for treating proliferative skin CC diseases such as psoriasis, atopic dermatitis, actinic keratosis, CC diseases such as psoriasis, atopic dermatitis, actinic keratosis, CC squamous or basal cell carcinoma and viral or seborrheic wart. They can CC also be used for treating proliferative eye diseases such as diabetic cretinopathy, vitreoretinopathy, sickle cell retinopathy, retinopathy of CC prematurity and retinal detachment, and for treating and preventing CC prematurity and retinal detachment, and for treating and preventing CC prematurity and retinal detachment, and for treating and preventing CC scarring such as keloid, adhesion and hypertrophic or hypertrophic burn car. AAH57577 to AAH62099 represent sequences used in the exemplification of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local
The present sequence is that of human PKW -5 was used in the synthesis of first strufrom breast tumour tissues. The resulting
                                                                                                                                New nucleic acid, designated PXW, useful as marker in diagnosis and
                                                                                                                                                                                                                                                                                                                                          26-MAY-2000;
15-JUL-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EP1158001-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         diagnosis;
                                                                                                                                                                                                       WPI; 2002-418496/45.
                                                                                                                                                                                                                                                                                                                                                                                                            23-MAY-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        28-NOV-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PKW; human; breast cancer; mammary carcinoma; metastasis; tumour;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human PKW gene specific PCR primer RTR-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         05-AUG-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABL57139;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present invention describes a method for treating a proliferative skin or eye disease and scarring. The method involves administering a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 1; Page 229; 408pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ribozyme (I) which cleaves RNA encoding a cytokine invinflammation, matrix metalloproteinase (MMP), cyclin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             metalloproteinases, growth factors and cell-cycle dependent kinases.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                standard; DNA; 19 BP
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                                                                                                                                                                                                                                                 Preiherr J,
                                                                                    Page
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         gene
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                                                                                                                                                                                                                                                                                                                                          2000EP-00110953.
2000EP-00115369.
                                                                                                                                                                                                                                                                                                                                                                                                              2001EP-00112004.
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                                                                                      10; 26pp;
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                                                                                                                                                                                                                                                 Weidle
                                                                                      English.
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Pred. No. 1
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                                                                                                                                   upregulated in mammary tumor cells, characterization of mammary tumors.
PKW gene-specific primer RTR-5. RTR
strand cDNA from total RNA isolated
ting cDNA was amplified by PCR using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1.6e+02
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Query Match
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Matches 16
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Best Local
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                                                                                                        Sequence
                                                                                                                                                 present
                                                                                                                                                                                                                             Example 1; Page 18; 75pp; Japanese.
                                                                                                                                                                                                                                                     Genetic polymorphisms of CYP2D6 gene drug effect on individual patients an
                                                                                                                                                                                                                                                                                                                           Taniyama M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  a second specific forward primer (see ABL57140). PKW nucleic acid is upregulated in tumour cells, especially in mammary carcinoma cells. It codes for a protein that induces tumour progression or metastasis. PKW inserving a marker in the diagnosis and characterisation of mammary tumours. PKW nucleic acids, expression vectors, host cells, and polypeptides are claimed. Hybridisation probes comprising a PKW nucleic acid are used in a claimed process for determining whether a test sample of human cells has a tumour progression potential. The invention also relates to the detection of tumour cells and to gene therapy methods tha modulate or inhibit PKW function in tumour cells
                                                                                                                                                                                                                                                                                                                                                                             06-DEC-2001; 2001JP-00372548
                                                                                                                                                                                                                                                                                                                                                    (TSUR ) TSUMURA & CO.
                                                                                                                                                                                                                                                                                                                                                                                                        05-DEC-2002; 2002WO-JP012748
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 human; mutant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human CYP2D6-related
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADB25900 standard; DNA; 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 19 BP; 5 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    273
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                         invention comprises mutant forms of the human CYP2D6 gene, containing or more of the following mutations G125A, C188GT, T2874C and C2875T. mutant human CYP2D6 genes of the invention are useful for analysing effect of drugs on individual patients and testing of new drugs. The sent DNA sequence represents a PCR primer used in an example of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2395
                          378
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  _
                                                     l Similarity
16; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                16;
                     CTCCAGGACCTCTTCTCT 395
                                                                                                           19
CTCCAGGACCTCCTCCT 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CTTGAAAATAAATGAAAG 2412
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                                                    Conservative
                                                                                                       BP; 2 A; 11 C; 2
                                                                                                                                                                                                                                                                                                                         Ogawa K,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CYP2D6
                                                              0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           gene; drug analysis; drug testing; PCR; ss;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PCR primer #21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5 C; 1 G; 8 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                        Tsuchiya
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                                                 Score 14.8; DB 1;
Pred. No. 1.6e+02;
0; Mismatches 2;
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                                                                                                       G; 4 T; 0 U;
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Pred. No. 1.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mismatches
                                                                                                                                                                                                                                                  ne in human population for analysis of and testing of new drugs.
                                                                                                                                                                                                                                                                                                                        Hibino
                                                                                                       0 Other;
                                                                          Length 19;
                                                  Indels
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standard;

RNA;

19

ADE65548 ADE65548 밁 Ś

18

1630 GGCTCAGCTAACCTCTCT

1647 0;

Matches

16;

Conservative

Mismatches

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Gaps

0

Similarity

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Query Match
Best Local (
                                                                                          determining steroid responsiveness involves determining. In a tissue, body fluid or cell sample from a subject being treated with steroids, the RNA expression levels of genes that are known to be, or suspected of being, respectively, responsive and non-responsive to steroids. The first gene is preferably the SAA1 gene controlled by a GRE, and the second gene is the SAA2 gene; the responses of only the SAA1 gene are augmented by glucocorticoid administration. The method is applied to subjects being treated with steroids for a very wide range of diseases (e.g. inflammation, cancer, autoimmune disease, arthritic disease, coronary artery disease, endocrine disease, stroke etc.), e.g. for monitoring to detect loss of responsiveness, to detect response when a combination of stimuli or drugs is administered and to assess side effects, to evaluate subjects for transplantation or steroid therapy, and to determine
                                                    Sequence 19 BP; 3 A; 3 C; 7 G;
                                                                                                                                                                                                                                                                                                             The present sequence is that of primer GREIR, which was used in the PCR mutagenesis of the human serum amyloid A1 (SAA1) gene promoter to product construct GREI (see ACF79439). GREI was used to confirm that a putative glucocorticoid responsive element of SAA1 is functional. A method for
                                                                                                                                                                                                                                                                                                                                                                                                                              Determining steroid responsiveness, useful e.g. for monitoring, or assessing likely success of therapy, comprises measuring relative expression of responsive and non-responsive genes.
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03-APR-2002;
                                                                                                                                                                                                                                                                                                                                                                                                  Example 1; Page 29; Opp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2003-748014/70.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      22-JAN-2003;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Serum amyloid A1 modified promoter GREI primer GREIR.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens.
                                                                                     doses of steroids
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2002US-0370008P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Challberg SS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   responsive element; GRE; serum amyloid responsiveness; PCR; primer; ss.
98.9%;
 Score 14.8; DB 1; Length 19; Pred. No. 1.6e+02;
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                                                  Other;
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The invention relates to short interfering nucleic acids (siNA) which CC downregulate expression of the human c-fos gene by RNA interference. The siNAs may or may not comprise ribonucleotides and may be double or single considered. They further comprise sense and antisense regions, or CC stranded. They further comprise sense and antisense regions, or CC eligonucleotide. Specifically, the siNAs include short interfering RNA CC (siRNA), double-stranded RNA, micro-RNA (miRNA) and short hairpin RNA CC (siRNA). The siNAs can be unmodified or chemically modified, can contain CC deoxyribonucleotides, and can be chemically modified, can contain CC deoxyribonucleotides, and can be chemically modified, can contain CC deoxyribonucleotides, and can be chemically synthesised, expressed from a CC expression of the c-fos gene in cells, tissue explants or organisms (e.g., by ex vivo gene therapy), or in grafts and transplants for the treatment of a variety of conditions. They may be used for treating CC entral nervous system lesions and injuries (e.g., Alzheimer's disease, Parkinson's disease, Huntington's disease, epilepsy, dementia or CC diseases (e.g., restenosis and polycystic kidney disease); inflammatory and/or allergic diseases, viral infections (including HIV infection); conditions, mand gene mapping (e.g., of single nucleotide polymorphisms). The present sequence represents the restrict to the c-fos transcribt targeted double-stranded sina, which is identical to the c-fos transcribt can be considered to the constant of the constant of the constant of the sinas cancers to the constant of the constant sequence represents the constant of the co
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09-SEP-2002;
15-JAN-2003;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New short interfering nucleic acid downregulates expression of the c-fos gene useful for treatment and diagnosis of diseases, e.g. cancer and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  06-JUN-2002;
29-AUG-2002;
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11-MAR-2002;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human c-fos
               targeted double-stranded
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; 2002US-0406784P.
; 2002US-0408378P.
; 2002US-0409293P.
; 2003US-0440129P.
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2002US-0363124P.
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                    c-fos
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The invention relates to short interfering nucleic acids (siNA) which downregulate expression of the human c-fos gene by RNA interference. T siNAs may or may not comprise ribonucleotides and may be double or sin stranded. They further comprise sense and antisense regions, or alternatively are assembled from a sense oligonucleotide and an antise oligonucleotide. Specifically, the siNAs include short interfering RNA (siRNA), oduble-stranded RNA, micro-RNA (miRNA) and short hairpin RNA (shRNA). The siNAs can be unmodified or chemically modified, can conta deoxyribonucleotides, and can be chemically synthesised, expressed fro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    drug screening; diagnosis; therapeutic target identification; plarmacogenomics; gene function analysis; gene mapping; central nervous system disorder; Alzheimer's disease; Parkinson's disease; Huntington's disease; epilepsy; dementia; amyotrophic lateral sclerosis; cancer; proliferative disease; restenosis; polycystic kidney disease; inflammatory disease; allergic disease; viral infection; HIV infection, autoimmune disease; transplant rejection; vasotropic; antiparkinsonian; neuroprotective; cytostatic; antiinflammatory; antiallergic; virucide; anti-HIV; immunosuppressive; antiinflammatory; antiallergic; virucide; anti-HIV; immunosuppressive;
                                                                                                                                                                                                                                                                                                        Example
                                                                                                                                                                                                                                                                                                                                                                                        New short interfering nucleic acid downregulates expression of the c-fos gene useful for treatment and diagnosis of diseases, e.g. cancer and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2003-679877/64.
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09-SEP-2002;
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                                                                                                                                                                                                                                                                                                        ID NO
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RNA;
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                                                                                                                                                                                                                                                                                                     145pp;
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Pred. No. 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQ ID NO:119
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RESULT 277
ADE29461
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Best Local Similarity
Matches 15; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     short interfering nucleic acid; siNA; downregulation; inhibition; mitogen-activated protein kinase; MAP kinase; MAPK; RNA interference; cytostatic; anorectic; antidiabetic; antiinflammatory; antiasthmatic; immunosuppressive; antibacterial; antirheumatic; antiarthritic; antipsoriatic; gastrointestinal; obesity; diabetes; tumour;
New short interfering nucleic acid, useful e.g. for treatment and diagnosis of cancer, downregulates expression of mitogen-activated protein kinase genes.
                                                                                                                                                                                                                             20-FEB-2002; 2002US-0358580P.

11-MAR-2002; 2002US-0363134P.

06-UUN-2002; 2002US-0366782P.

29-AUG-2002; 2002US-0406784P.

05-SEP-2002; 2002US-0408378P.
                                                                                                                                                                                                                                                                                                                                               28-JAN-2003; 2003WO-US002510
                                                                                                                                                                                                                                                                                                                                                                                     04-SEP-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                           WO2003072590-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         psoriasis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mitogen activated protein kinase siNA oligonucleotide SEQ ID NO:83.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 19
                                                                                                                                                       (SIRN-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 29-JAN-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 inflammatory disease; asthma; septic shock; rheumatoid arthritis; psoriasis; inflammatory bowel disease; drug screening; genetic engineering; pharmacogenomic; gene mapping; ss.
                                                                           2003-689980/65.
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                                                                                                                                                       SIRNA
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                                                                                                                                                                                           2002US-0409293P.
2003US-0440129P.
                                                                                                                                                       THERAPEUTICS INC.
                                                                                                             Beigelman
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Pred. No. 1.6e+02;
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                                                                                                               Haeberli P,
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RESULT 278
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                                                                                                                                                     20-FEB-2002;
11-MAR-2002;
06-JUN-2002;
                                                                                                                                                                                                                                                                                                                                                              short interfering nucleic acid; siNA; downregulation; inhibition; mitogen-activated protein kinase; MAP kinase, MAPK; RNA interference; cytostatic; anridiabettic; antiinflammatory; antiasthmatic; immunosuppressive; antibacterial; antirheumatic; antiarthritic; antipsoriatic; gastrointestinal; obesity; diabettes; tumour; inflammatory disease; asthma; septic shock; rheumatoid arthritis; psoriasis; inflammatory bowel disease; drug screening; genetic engineering; pharmacogenomic; gene mapping; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         have cytostatic, anorectic, antidiabetic, antiinflammatory, antiasthmatic, immunosuppressive, antibacterial, antixheumatic, antipsoriatic and gastrointestinal activities. The MAPK siNAs can be used to modulate the expression of MAPK genes, in cells, tissue explants or organisms, e.g. for treating obesity; diabetes types I and II; a wide range of tumours, and inflammatory diseases (asthma, septic shock, rheumatoid arthritis, psoriasis and inflammatory bowel disease). They can also be used for drug screening; diagnosis; target identification and validation; genetic engineering; pharmacogenomics; studying gene function and gene mapping (e.g. of single-nucleotide polymorphisms). The present sequence represents a MAPK siNA which is used in the exemplification of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     that downregulates expression of a mitogen-activated protein kinase (MAPK) genes by RNA interference. Also described: (1) a method for modulating expression of MAPK genes in cells, tissue explants or organisms by introduction of siNA; (2) kits for in vitro or in vivo delivery of siNA; (3) conjugates and/or complexes of siNA; and (4) vectors that express siNA and cells containing these vectors. MAPK siNAs
                                                                                                      05-SEP-2002;
09-SEP-2002;
                                                                                                                                                                                                                            28-JAN-2003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mitogen activated protein kinase siNA oligonucleotide SEQ ID
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                                                                                                                                       29-AUG-2002;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present invention describes a short interfering nucleic acid (siNA) that downregulates expression of a mitogen-activated protein kinase
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         897 TATTTGCTTTCAAAGAAT 914
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9; Conserv
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                                                                                  ; 2002US-0408378P.
; 2002US-0409293P.
; 2003US-0440129P.
                                                                                                                                     2002US-0358580P.
2002US-0363124P.
2002US-0386782P.
2002US-0406784P.
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                                                                                                                                                                                                                              2003WO-US002510
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Mcswiggen J,

Beigelman

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Usman N,

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Chowrira

(SIRN-) SIRNA THERAPEUTICS INC

2003-689980/65

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Best Local S
Matches 16
20-FEB-2002;
11-MAR-2002;
06-JUN-2002;
29-AUG-2002;
29-SEP-2002;
09-SEP-2002;
15-JAN-2003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          that downregulates expression of a mitogen-activated protein kinase (MAPK) genes by RNA interference. Also described: (1) a method for modulating expression of MAPK genes in cells, tissue explants or organisms by introduction of siNA; (2) kits for in vitro or in vivo delivery of siNA; (3) conjugates and/or complexes of siNA; and (4) vectors that express siNA and cells containing these vectors. MAPK siNAs have cytostatic, anorectic, antidiabetic, antiinflammatory, antiasthmatic, immunosuppressive antibactorial
                                                                                                                                                                                                                                                                                                                                     short interfering nucleic acid; siNA; downregulation; inhibition; miltogen-activated protein kinase; MAP kinase; MAPK; RNA interference; cytostatic; ancrectic; antidiabetic; antiinflammatory; antiasthmatic; immunosuppressive; antibacterial; antirheumatic; antiarthritic; antipsoriatic; gastrointestinal; obesity; diabetes; tumour; interpretations; gastrointestinal; obesity; diabetes; tumour;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mitogen activated protein kinase siNA oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          antiasthmatic, immunosuppressive, antibacterial, antirheumatic, antipsoriatic and gastrointestinal activities. The MAPK siNAs can be used to modulate the expression of MAPK genes, in cells, tissue explants or organisms, e.g. for treating obseity; diabetes types I and II; a wide range of tumours, and inflammatory diseases (asthma, septic shock, rheumatoid arthritis, psoriasis and inflammatory bowel disease). They can also be used for progressing; diagnosis; target identification and validation; genetic engineering; pharmacogenomics; studying gene function and gene mapping (e.g. of single-nucleotide polymorphisms). The present sequence represents a MAPK siNA which is used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      29-JAN-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New short interfering nucleic acid, useful e.g. for treatment and diagnosis of cancer, downregulates expression of mitogen-activated
                                                                                                                                            28-JAN-2003; 2003WO-US002510
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in the exemplif
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                                                                                                                                                                                                                                                                                                    inflammatory disease; asthma; septic shock; rheumatoid arthritis,
soriasis; inflammatory bowel disease; drug screening;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      897
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              rphisms). The present se exemplification of the
                                                                                                                                                                                                                                                                                     engineering; pharmacogenomic; gene mapping;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TATTTGCTTTCAAAGAAT 914
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2002US-0363124P
2002US-0386782P
2002US-0406784P
2002US-0406784P
2002US-0408378P
2002US-0408378P
2003US-0440129P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
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                                                                                                           2002US-0358580P
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Pred. No. 1.
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. 1.6e+02;
2;
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modulating expression of MAPK genes in cells, tissue explants or CC organisms by introduction of siNA; (2) kits for in vitro or in vivo CC delivery of siNA; (3) conjugates and/or complexes of siNA; and (4) CC delivery of siNA; (3) conjugates and/or complexes of siNA; and (4) CC external that express siNA and cells containing these vectors. MAPK siNAs CC have cytostatic, anorectic, antidiabetic, antiinflammatory, antibacterial, antirheumatic, antipacoriatic and gastrointestinal activities. The MAPK CC siNAs can be used to modulate the expression of MAPK genes, in cells, CC tissue explants or organisms, e.g. for treating obseity; diabetes types I CC and II; a wide range of tumours, and inflammatory diseases (asthma, CC septic shock, rheumatoid arthritis, psoriasis and inflammatory bowel CC disease). They can also be used for drug screening; diagnosis; target CC identification and validation; genetic engineering; pharmacogenomics; studying gene function and gene mapping (e.g. of single-nucleotide copolymorphisms). The present sequence represents a MAPK siNA which is used to the exemplification of the present invention.
  Sequence
                                                                                                                                                                                                                                                                                                                                                                        The present invention describes a short interfering nucleic acid (siNA) that downregulates expression of a mitogen-activated protein kinase (MAPK) genes by RNA interference. Also described: (1) a method for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 3;
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  19 BP; 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         interfering nucleic acid, useful e.g. for treatment and of cancer, downregulates expression of mitogen-activated
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  A; 4 C; 13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          164pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Usman
  <u>ი</u>
  0 T; 1 U;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ŗ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Haeberli P,
0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Chowrira
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 B
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뭉 ં \$ Matches Query Match Best Local 2300 GAGGGGGTTGGGCCGGGG 2317 1 Similarity
15; Conserv \_ Conservative 0.6%; 7; Score 14.8; Pred. No. 1. Mismatches .6e+02; DB 1; Length 19; Indels <u>.</u> Gaps 0

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ADE29816 standard; RNA; 19
ADE29816;
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GAGGGGGUCGGCCCGGGG

18

Mitogen activated protein kinase siNA oligonucleotide SEQ ID NO:438.

29-JAN-2004

(first entry)

RESULT 280
ADE29816/C
ID ADE298
XX ADE298
XX ADE298
XX DT 29-JAN
XX Bhort
KW mitoge
XX short interfering nucleic acid; siNA; downregulation; inhibition; mitogen-activated protein kinase; MAP kinase; MAPK; RNA interference; cytostatic; anorectic; antidiabettic; antiinflammatory; antiasthmatic; immunosuppressive; antibacterial; antirheumatic; antiarthritic; antipsoriatic; gastrointestinal; obesity; diabetes; tumour; inflammatory disease; asthma; septic shock; rheumatoid arthritis; psoriasis; inflammatory bowel disease; drug screening; genetic engineering; pharmacogenomic; gene mapping; ss. genetic engineering; pharmacogenomic; gene mapping; 28-JAN-2003; WO2003072590-A1 Synthetic 2003WO-US002510

20-FEB-2002; 11-MAR-2002;

2002US-0358580P 2002US-0363124P

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RESULT 281
ACH00745/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local
                                                                                                                                                                                                                                      Rat; albino; pigment; eye; inner ear; central nervous system; CNS; CD; 5,6-dihydroxyindol; DHI; 5,6-dihydroxyindole-2-carboxylic acid; DHICA; cysteinyldopa; tyrosinase; oxidative stress; gene therapy; PCR; primer; ss; auditory; ophthalmological; antidiabetic; antiparkinsonian; GAPDH.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              antiasthmatic, immunosuppressive, antibacterial, antitheumatic, antipsoriatic and gastrointestinal activities. The MAPK siMAs can be used to modulate the expression of MAPK genes, in cells, tissue explants or organisms, e.g. for treating obesity; diabetes types and II; a wide range of tumours, and inflammatory diseases (asthma, septic shock, rheumatoid arthritis, psoriasis and inflammatory bowel disease). They can also be used for drug screening; diagnosis; target identification and validation; genetic engineering; pharmacogenomics; studying gene function and gene mapping (e.g. of single-nucleotide polymorphisms). The present sequence represents a MAPK siNA which is use in the exemplification of the present invention.
18-FEB-2002; 2002DE-01006723
                                               12-FEB-2003; 2003WO-DE000415.
                                                                                                    28-AUG-2003
                                                                                                                                                 WO2003070269-A1
                                                                                                                                                                                                       Rattus
                                                                                                                                                                                                                                                                                                                                                                      Albino and pigmented rat GAPDH gene PCR primer #2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ACH00745;
                                                                                                                                                                                                                                                                                                                                                                                                                                   12-FEB-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ACH00745
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  that downregulates expression of a mitogen-activated protein kinase (MAPK) genes by RNA interference. Also described: (1) a method for modulating expression of MAPK genes in cells, tissue explants or organisms by introduction of siNA; (2) kits for in vitro or in vivo delivery of siNA; (3) conjugates and/or complexes of siNA; and (4) vectors that express siNA and cells containing these vectors. MAPK siNAs have cytostatic, anorectic, antidiabetic, antiinflammatory, and the contact of the contact of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present invention describes a short interfering nucleic acid (siNA)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New short interfering nucleic acid, diagnosis of cancer, downregulates (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       05-SEP-2002;
09-SEP-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protein kinase
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29-AUG-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SIRN-)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2300 GAGGGGGTTGGGCCCGGG 2317
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SIRNA THERAPEUTICS INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GAGGGGGTCGGCCCGGGG 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          'n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQ ID NO 438;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              BP; 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                             (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2002US-0406784P.
2002US-0408378P.
2002US-0409293P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2003US-0440129P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2002US-0386782P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Beigelman L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        genes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A; 13 C; 4 G; 0 T; 1 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ٠
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ₽₽
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 14.8; Db 1,
Pred. No. 1.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Usman N,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           , useful e.g. for treatment and expression of mitogen-activated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Haeberli P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 1; Length 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Chowrira
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RESULT 282
ADF83712/c
ID ADF8377
AC ADF837
XX ADF837
XX Short
KW Short
KW CYtost
XX CYtost
XX Homo s
XX Homo s
XX Homo s
XX Homo s
XX 20-FEB
XX 20-FEB
PR 20-FEB
PR 11-MAR
PR 15-AUG
PR 05-SEF
PR 05-SEF
PR 05-SEF
PR 05-SEF
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present invention relates to the use of 5,6-Dihydroxyindole (DHI), CC 5,6-dihydroxyindole-2-carboxylic acid (DHICA) and/or 5-S-cysteinyl-dopa CC (CD) in the treatment of diseases of the inner ear, eye and central CC nervous system. It also relates to the use of tyrosinase in the CC production of such a treatment. These can be used for the prevention or CC therapy of 'Drusen' (cell residue material), elevated lipofuscin levels, CC degenerative diseases of the inner ear (presbycusis), eye diseases CC (especially age-associated macular degeneration, Henmansky-Pudlak CC syndrome, Chediak-Higashi syndrome, choroidal and retinal CC entral nervous diseases (especially Parkinson's disease). In particular, CC central nervous diseases (especially Parkinson's disease) in particular, CC the treatment is effective against eye, inner ear or CNS disorders associated with deficiency of melanin (which has antiradical activity and CC protects against oxidative stress) and deposition of 'Drusen' (cell or residue material) or the pigment lipofuscin. The present sequence is a PCR primer used to isolate the coding sequence of the rat GAPDH protein in a katralase enzyme agenv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local
20-FEB-2002; 2002US-0358580P.
11-MAR-2002; 2002US-0363124P.
06-JUN-2002; 2002US-0386782P.
15-AUG-2002; 2002US-0404039P.
29-AUG-2002; 2002US-0406784P.
05-SEP-2002; 2002US-0408378P.
09-SEP-2002; 2002US-0408378P.
14-JAN-2003; 2003US-0439923P.
                                                                                                                                                       20-FEB-2003; 2003WO-US005234.
                                                                                                                                                                                         28-AUG-2003
                                                                                                                                                                                                                                                                                                             short interfering nucleic acid; siNA; breakpoint cluster region; v-abl Abelson murine leukaemia viral oncogene homologue 1; BCR-A
                                                                                                                                                                                                                                                                                                                                                                                                    26-FEB-2004
                                                                                                                                                                                                                             WO2003070972-A2
                                                                                                                                                                                                                                                              Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                      ADF83712;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADF83712 standard; RNA; 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          e.g.
acid.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 11; Page 16; 34pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Medicaments used for treating inner ear, eye or central nervous disorders, e.g. macular degeneration or Parkinson's disease, comprise e.g. tyrosinase, 5,6-dihydroxyindole or 5,6-dihydroxyindole-2-carboxylic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2003-689740/65.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SCHR/) SCHRAERMEYER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              katalase enzyme assay
                                                                                                                                                                                                                                                                                                                                                              breakpoint cluster region-targeted siRNA -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ACCACCCAGCCAGCAAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AGCACCCAACCCAGCAAG 1290
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               19
                                                                                                                                                                                                                                                                                           leukaemia; lymphoma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         BP; 0 A;
                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4 C; 9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ВÞ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           G; 6 T; 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 14.8;
Pred. No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1.6e+02
                                                                                                                                                                                                                                                                                           BCR; ss; siRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB
                                                                                                                                                                                                                                                                                                         homologue 1; BCR-ABL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2,
                                                                                                                                                                                                                                                                                                                                                              SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
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15-JAN-2003; 2003US-0440129P

भ तर्थ द्वा

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ADF84593/c
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Best Local (
                                                                                                         29-AUG-2002;
05-SEP-2002;
09-SEP-2002;
                                                                                                                                              20-FEB-2002;
11-MAR-2002;
06-JUN-2002;
15-AUG-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The invention relates to a novel double-stranded short interfering nucleic acid (siNA) that downregulates expression of the breakpoint cluster region-v-abl Abelson murine leukaemia viral oncogene homologue 1 (BCR-ABL) gene. The siRNA of the invention demonstrates cytostatic activity and may be useful for modulating expression of the BCR-ABL gene, as well as for treating leukaemia or lymphona and in diagnosis, drug screening, target identification and validation, genetic engineering, gene function studies and gene mapping. The current sequence is that of the human BCR-targeted siRNA of the invention.
                                                                                                                                                                                                                                                                                                           short interfering nucleic acid; siNA; breakpoint cluster region; v-abl Abelson murine leukaemia viral oncogene homologue 1; BCR-ABL; cytostatic; leukaemia; lymphoma; human; ss; siRNA; ABL1
           WPI; 2003-679889/64
                                 Mcswiggen J,
                                                                                                                                                                                                            20-FEB-2003; 2003WO-US005234.
                                                                                                                                                                                                                                                              WO2003070972-A2
                                                                                                                                                                                                                                                                                     Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                               Human ABL1-targeted siRNA - SEQ
                                                                                                                                                                                                                                                                                                                                                                                        26-FEB-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                          ADF84593
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 19 BP; 1 A; 5 C; 13 G; 0 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 7; SEQ ID NO 6; 197pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New double-stranded interfering nucleic and diagnosis of leukemia and lymphoma, cluster region-Abelson (BCR-ABL) gene.
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                                                           (RIBO-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           16 caccacacraccaccric 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      16;
                                                           RIBOZYME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                          standard; RNA; 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CGCCGCCGCCGCCTC 1
                                                                                2, 2002US-0358580P.
2, 2002US-036782P.
2, 2002US-036782P.
2, 2002US-0404039P.
2, 2002US-0406784P.
2, 2002US-0408378P.
2, 2002US-0409239P.
2, 2002US-0439922P.
3, 2003US-0439922P.
3, 2003US-0440129P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                 Beigelman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Beigelman
                                                           PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.6%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                           ВP
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                                    Chowrira
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Chowrira
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 14.8;
Pred. No. 1.
                                                                                                                                                                                                                                                                                                                                                               IJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                                                                                                                                                                                               887.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              acid, useful e.g. downregulates the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
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11-MAR-2002;
06-JUN-2002;
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                                                                                                                                                                                                                                                                                                                                                                                                                           short interfering nucleic acid; siNA; breakpoint cluster region; v-abl Abelson murine leukaemia viral oncogene homologue 1; BCR-ABL; cytostatic; leukaemia; lymphoma; human; ss; siRNA; ABL1.
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14-JAN-2003;
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29-AUG-2002;
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                                                                                                               WPI; 2003-679889/64.
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                                                          double-stranded interfering nucleic acid, useful e.g. diagnosis of leukemia and lymphoma, downregulates the ster region-Abelson (BCR-ABL) gene.
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2002US-0386782P.
2002US-0404039P.
2002US-0406784P.
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2002US-0409293P.
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The invention relates to a novel double-stranded short interfering nucleic acid (siNA) that downregulates expression of the breakpoint

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06-JUN-2002;
                         The invention relates to a novel double-stranded short interfering nucleic acid (siNA) that downregulates expression of the breakpoint cluster region-v-abl Abelson murine leukaemia viral oncogene homologue 1 (BCR-ABL) gene. The SIRNA of the invention demonstrates cytostatic activity and may be useful for modulating expression of the BCR-ABL gene, as well as for treating leukaemia or lymphoma and in diagnosis, drug screening, target identification and validation, genetic engineering, gene function studies and gene mapping: The current sequence is that of the human BCR-targeted siRNA of the invention.
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09-SEP-2002;
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12; Conserv
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         The invention relates to short interfering nucleic acids (siNA) which downregulate expression of the human tumour necrosis factor (TNF) receptor gene by RNA interference. The siNAs may or may not comprise ribonucleotides and may be double or single stranded. They further comprise sense and antisense regions, or alternatively are assembled from a sense oligonucleotide short interfering RNA (siRNA), double-stranded RNA, the siNAs include short interfering RNA (siRNA). The siNAs can be unmodified or chemically modified, can contain deoxyribonucleotides, and can be chemically synthesised, expressed from a vector or enzymatically synthesised. The invention also relates to kits for the in viro or in the sinks of the contain decoxyribonucleotides.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                short interfering RNA; siRNA; double-stranded RNA; micro-RNA; miRNA; short hairpin RNA; siRNA; expression modulation; gene therapy; drug screening; diagnosis; therapeutic target identification; pharmacogenomics; gene function analysis; gene mapping; tumour necrosis factor receptor; TNF receptor; human; DNA-RNA hybrid; ss; antibacterial; immunosuppressive; antirheumatic; antiarthritic; anti-HIV; antipsoriatic; antiinflammatory; septic shock; rheumatoid arthritis; HIV/AIDS; psoriasis; inflammation; autoimmune disease; target sequence.
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28-NOV-2002;
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siNA; conjugates and/or complexes of siNA;
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Pred. No. 1.6e+02;
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11-MAR-2002; 2002US-0351124P.
06-JUN-2002; 2002US-0365782P.
29-AUG-2002; 2002US-0406784P.
05-SEP-2002; 2002US-0408378P.
09-SEP-2002; 2002US-0409393P.
28-NOV-2002; 2002US-0409395P.
15-JAN-2003; 2003US-04409359P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RNA interference; short interfering nucleic acid; siNA; short interfering RNA; siRNA, double-stranded RNA, micro-RNA; miRNA; short hairpin RNA; shRNA; expression modulation; gene therapy; drug screening; diagnosis; therapputic target identification; pharmacogenomics; gene function analysis; gene mapping; tumour necrosis factor receptor; TNF receptor; human; DNA-RNA hybrid; ss; antibacterial; immunosuppressive; antirheumatic; antiarthritic; anti-HIV; antipsoriatic; antiinflammatory; septic shock; rheumacoid arthritis; HIV/AIDS; psoriasis; inflammation; autoimmune disease.
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New short interfering nucleic acid, useful e.g. for diagnosis of septic shock or rheumatoid arthritis, expression of the tumor necrosis factor gené.
                                                                                                                                                                               Mcswiggen J,
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                                                                                                                                                                                                                                              (RIBO-) RIBOZYME PHARM INC
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2265 CCCCGAACCCAAGCCTCA

Query Match Best Local Sim Matches 16;

Similarity

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Score 14.8; Pred. No. 1

1.6e+02 DB 1;

Length 19; Indels

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Search completed: August Job time : 10 secs

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CC The invention relates to short interfering nucleic acids (siNA) which CC downregulate expression of the human tumour necrosis factor (TNP) CC receptor gene by RNA interference. The siNAs may or may not comprise CC ribonucleotides and may be double or single stranded. They further CC comprise sense and may be double or single stranded. They further CC comprise sense and anxisense regions, or alternatively are assembled from CC a sense oligonucleotide and an antisense oligonucleotide. Specifically, CC the siNAs include short interfering RNA (siNNA), double-stranded RNA, CC micro-RNA (miRNA) and short hairpin RNA (siNNA). The siNAs can be chemically synthesised, expressed from a vector or enzymatically cC synthesised. The invention also relates to kits for the in vitro or in CC vivo delivery of siNA; conjugates and/or complexes of siNA; and vectors cc that express siNA. The siNAs are used to modulate expression of the TWF CC gene therapy), or in grafts and transplants for the treatment of a continumunosuppressive, antirheumatic, antiarthritic, anti-HIV, antipsoriatic can anti-HIAmmarory activities. They may be used for treating septic shock, rheumatoid arthritis, HIV/AIDS, psoriasis, inflammation and continumune diseases. The siNAs are also useful for drug screening, cc diagnosis, therappeutic target identification and validation, genetic census the lower strand of a human TNF receptor-targeted double-cc atranded siNA.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

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I (bases 1 to 65)

A gene of which expression changes in psoriasis and a method for e xamination directed to said gene
Patent: JP 2002330770-A 4 19-NOV-2002;

TANABE SEIYAKU CO LTD

OS Homo sapiens (human)
PN JP 2002330770-A 4

PP 19-NOV-2002

PF 25-MAY-2001 JP 2001156529

PF 25-MAY-2001 JP 2001156529

PI YUJI IMAI, KOJI WAKIMOTO, ERIKO YAMADA, HIROAKI CHIBA, KOSAKU PI OKUBO

PC C12N15/09,C07K14/47,C07K16/18,C12N1/15,C12N1/19,C12N1/21 PC

C12N5/10,C12Q1/68,
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A gene of which expression changes A maniferation directed to said gene.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BD181456
BD181456.1 GI:30792374
JP 2002330770-A/4.
                                                                                                                                                                                                                                                                     Similarity
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                                                                                                                              2.5%; Score 60; DB llarity 100.0%; Pred. No. 3: Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                /organism='Homo sapiens (human)'.
                                                                                                                                                                                                                                                                                                                                          /organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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3.1e-05;
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AX697226/c
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Best Local Similarity 98.1%;
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Sequence
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synthetic construct
synthetic construct
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                                              AX697226.1
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                                                                                                                                                                                                                                                                                                                                                                                      Genentech Inc.
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CQ007002
CQ007002.1 GI:41013634
                                                                                                                                                                                                                                                                                                                                                                                                 Patent: WO 0078961-A 293 28-DEC-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              other sequences; artificial sequences.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Conservative 0;
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                                                                                                                                                                                                                                                                                                   /organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/db_xref="taxon:9606"
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                                              GI:29498161
                                                                                                                                                                                                                                       1.0%; Score 24; DB 1;
100.0%; Pred. No. 2.7;
ive 0; Mismatches
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BD181464
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A gene of which expression changes in psoriasis and a method for xamination directed to sald gene
Patent: JP 2002330770-A 12 19-NOV-2002;
TANABE SEIYAKU CO LTD
OS Artificial Sequence
PN JP 2002330770-A/12
PD 19-NOV-2002
PF 25-MAY-2001 JP 2001156529
PF 25-MAY-2001 JP 2001156529
PF 25-MAY-2001 JP 2001156529
PF 25-MAY-2001 JP 2001156529
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PC G01N33/53,G01N33/53,G01N33/566,C12N15/00,C12N5/00 CC

Artificially synthesized primer sequence

FH Key Location/Qualifiers

PT source 1...22

FT fource /organism='Artificial Sequence'.
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A gene of which expression changes
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     BD181465
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1 (bases 1 to 22)
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llarity 100.0%;
Conservative (
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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100.0%; Pred. No. 2.7;
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Pred. No.
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C12N5/10,C12Q1/68,
C12N5/10,C12Q1/68,
CCI G01N33/53,G01N33/566,C12N15/00,C12N5/00 (
PC G01N33/53,G01N33/566,C12N15/00,C12N5/00 (
Artificially synthesized primer sequence 

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TANABE SEIYAKU CO LTD
OS Artificial Sequence PN JP 2002330770-A/13
PD 19-NOV-2002
PF 25-MAY-2001 JP 2001156529
PF 25-MAY-2001 JP 2001156529
PF 27-MAY-2001 WAKIMOTO, ERIKO YAMADA, HIROAKI CHIBA
                           OKUBO

OKUBO

C C12N15/09,C07K14/47,C07K16/18,C12N1/15,C12N1/19,C1

C12N5/10,C12Q1/68,

PC G01N33/53,G01N33/53,G01N33/566,C12N15/00,C12N5/00

Artificially synthesized primer sequence

FH Key

Location/Qualifiers

FT source

/organism='Artificial Sequence'.
                                                                                                                                                                                                                       Patent: JP 2002330770-A 8 19-NOV-2002;
TANABE SETYAKU CO LTD
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PN JP 2002330770-A/8
PD 19-NOV-2002
PF 25-MAY-2001 JP 2001156529
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A gene of which expression changes in
xamination directed to said gene
Patent; JP 2002330770-A 8 19-NOV-2002;
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1 (bases 1 to 22)
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25-MAY-2001 JP 2001156529
YUJI IMAI,KOJI WAKIMOTO,ERIKO YAMADA,HIROAKI CHIBA,KOSAKU
/organism='Artificial Sequence'
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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                                                                                                                                                                                                                                     Homo sapiens (human)
                                                                                                                                                                                                                                                                                      Sequence 1517 from Patent AX476296
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Human kidney tumor overexpressed membrane protein Patent: WO 0224750-A 1516 28-MAR-2002;

Aeomica, Inc. (US)
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Sequence 1516 from Patent
AX476295
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                                                                                                                                                                                                                                                                         AX476296.1 GI:22215581
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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CCTGGAGGAACCAGCTGCAAATCA 1442
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ilarity 87.5%;
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                                                                                   /organism≃"Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                                                                                                   ocation/Qualifiers
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/mol_type="unassigned DNI/db_xref="taxon:9606"
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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RESULT 13
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Unknown
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Location/Qualifiers
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Enerback, S. and Carlsson, P.
                                                                                                                                                                                                                                                                                             Unclassified.
                                                                                                                                                                                                                                                                                                        Unknown
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November Aktiengesellschaft Gesellschaft fuer
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Sequence 3 from Patent WO03076654.
AX838503
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Method for identifying, quantifying and/or characterizing
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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Monia, B.P., Gaarde, W.A., Freier, S.M. and Antisense modulation of TERT expression Patent: US 6492171-A 40 10-DEC-2002;
                                                                                                                                                      1 (bases 1 to 21)
Zsebo,K.M., Bosselman,R.A., Suggs,S.'
DNA encoding stem cell factor
Patent: US 6207417-A 16 27-MAR-2001;
Location/Qualifiers
                                                                                                                                                                                                                                                                             Unknown.
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Sequence 41 from Patent WO03031459.
AX746091
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Modulation of the expression of genes dependent on stat-1
Patent: WO 3031459-A 41 17-APR-2003;
                                                                                                                                                                                                                                    synthetic construct synthetic construct
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Colasanti, J.J. and Sundaresan, V.
Control of floral induction in plants
Patent: US 6177614-A 17 23-JAN-2001;
Location/Qualifiers
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AR126157
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                                                                                                                                                                 GmbH (DE)
                                                                                                   /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
                                                                                         /note="antisense oligo"
                                                                                                                                                    Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                /organism="unknown"
/mol_type="unassigned DNA"
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/mol_type="genomic DNA"
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Unknown.
Unclassified
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Rikhisa,Y., Zhi,N. and Ohashi,N.
Nucleic acid encoding the major outer
causative agent of human granulocytic
encoded thereby
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AR223394
                      Unknown.
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Inhibition of stat-1
Patent: WO 03030944-A 41 17-APR-2003;
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Sequence 41 from Patent WO03030944.
AX770442
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                                                                                                                                                                                                                             /organism="unknown"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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AR279716/c
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 l Similarity
17; Conserv
                                                                                                           Loukachov,V.V., van Gemen,B. and Goudsmit,J. Collection of binding molecules Patent: EP 1174518-A 290 23-JAN-2002, Amsterdam Support Diagnostics B.V. (NL) Location/Qualifiers
                                                                                                                                                                                                                                                    Sequence 290 from Patent AX353084
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Method for regulating the expression inhibitors of histone deacetylation Patent: US 6518012-A 22 11-FEB-2003, Location/Qualifiers
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/mol_type="genomic |
                                                /organism="synthetic construct"
/mal_type="unassigned DNA"
/mal_type="unassigned DNA"
/db xrefs"taxon:32630"
/noce="position 103"
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/mol_type="genomic DNA"
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Matches 17; Conserv
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Matches 17; Conserv
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Location/Qualifiers
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Collection of binding molecules
Patent: EP 1174518-A 295 23-JAN-2002;
Amsterdam Support Diagnostics B.V. (NI
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol_type="unasigned DNA"
/db xrefs"ttaxon:32630"
/note="position 103"
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              Patent
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OS Escherichia coli
OS 10-JUL-1998 JP 1999507930
OS 10-JUL-1997 US 60/052160
OS 10-JUL-1998 JP 1999507930
OS 10-JUL-1998
                                                                                                       N
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BD196165.1 GI:33005935
JP 2002514093-A/196
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Patent: WO 0208463-A 295 31-JAN-2002;
Amsterdam Support Diagnostics B.V. (NL)
Location/Qualifiers
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1 (bases 1 to 20)
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/mol_type="genomic DNA"
/db_xref="taxon:562"
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/db_xref="taxon:32630"
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AR261856
AR261856.1
1 (bases 1 to 20)
Briggs,C.A., Gopalakrishnan,M., Mc Kenna,D.G., Monteggia,L.M.,
Roch,J.-M., Sullivan,J.P. and Touma,E.
Variant human .alpha.7 acetylcholine receptor subunit, and methods of production and use thereof patent: US 6683157-A 8 27-JAN-2004;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Briggs, C.A., Gopalakrishnan, M., McKenna, D.G., Monteggia, L.M., Roch, J.-M., Sullivan, J.P. and Touma, E. Variant human. alpha.7 acetylcholine receptor subunit, and methods of production and uses thereof Patent: US 6323000-A 8 27-NOV-2001;
                                                                                                           Unknown
                                                                                                                          Unknown.
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Wright, J.A., Young, A.H. and Dugourd, D.
Antisense oligonucleotide sequences as
Patent: US 6610539-A 196 26-AUG-2003;
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Sequence 196 from patent
AR382956
                                                                                             Unclassified.
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/mol_type="genomic DNA"
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/mol_type="genomic |
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Query Match
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Best Local Similarity
E 1 (bases 1 to 20)

S Briggs,C.A., Gopalakrishnan,M., Mckenna,D.G., Monteggia,L.M.,

Roch,J.M., Sullivan,J.P. and Touma,E.

Variant human alpha-7 acetylcholine receptor subunit and productic process and use thereof

process and use thereof

L Patent: JP 2001506135-A 7 15-MAY-2001;

ABBOTT LABORATORIES

PN JP 2001506135-A/7

PD 15-MAY-2001

PF 20-DEC-1997 JP 1998528933

PR 20-DEC-1996 US 08/771737

PR 20-DEC-1996 US 08/771737

PR 20-DEC-1996 US 08/771737

PR 20-DEC-1996 US 08/771737

PR CLARK A BRIGGS, MURALI GOPALAKRISHNAN, DAVID G MCKENNA, LISA M PI MONTEGGIA,

PI JEAN MARC ROCH, JAMES P SULLIVAN, EDWARD TOUMA

PI JEAN MARC ROCH, JAMES P SULLIVAN, EDWARD TOUMA

PI JEAN MARC ROCH, JAMES P SULLIVAN, EDWARD TOUMA

PI G1013/15,09,C07K14/705,C12N1/15,C12N1/19,C12N1/21,C12N5/10 PC

C1201/02,C1201/68,

PC G01N33/15,G01N33/50,G01N33/566,C12N15/00,C12N5/00 CC

Strandedness: Single;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Barany, F., Zirvi, M., Gerry, N.P., Favis, R. and Kliman, R. Method of designing addressable array for detection of nucleic sequence differences using ligase detection reaction Patent: WO 0179548-A 6237 25-OCT-2001; CORNELL RESEARCH FOUNDATION, INC. (US)
                                                                                                                                                                                                                                                                                                                                          unidentified
                                                                                                                                                                                                                                                                                                                                                                         JP 2001506135-A/7
                                                                                                                                                                                                                                                                                                                                                                                                           process and use thereof. BD023662
                                                                                                                                                                                                                                                                                                                                                                                                                                            Variant human alpha-7 acetylcholine
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synthetic construct
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                                                                                                                                                                                                                                                                                                                                                         unidentified
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /organism="unknown"
/mol_type="genomic
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Pred. No. 33;
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Pred. No. 33;
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                                                                                                              MCKENNA, LISA M
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                                       REFERENCE
AUTHORS
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KEYWORDS
SOURCE
                                                                                                                                                                                                              RESULT 36
AR529846
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AUTHORS
TITLE
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D 16-JUL-2002
PD 16-JUL-1999 JP 2000562551
PF 20-JUL-1999 GB 9816193.8,28-JAN-1999 GB 9901077...
PR 25-JUL-1998 GB 9816193.8,28-JAN-1999 GB 9901077...
JOHN CRAIG SMITH, RAKESH ANAND, JOHN EDWARD NORRIS MORTEN PC C12N15/09,A61845/00,C12Q1/68//A61P19/02,A61P29/00,C12N15/00 Human CCR-2 gene polymorphism Location/Qualifiers Location/Qualifiers (human)'.
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AR529846
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 21)
Smith, J.C., Anand, R. and Morten, J.E.N.
Human CCR-2 gene polymorphism
Patent: JP 2002521063-A 8 16-JUL-2002;
ASTRAZENECA AB
OS Homo sapiens (human)
PN JP 2002521063-A/8
PD J6-JUL-2002
PF 20-JUL-1999 JP 2000562551
                       1 (bases 1 to 21)
Lander, E.S., Cargill, M., Ireland, J.S., Bolk, S.,
McCarthy, J.J.
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Human CCR-2 gene polymorphism.
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       Single nucleotide polymorphisms in
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                                                                        Unclassified.
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                                                                                                                                                                               1049 from patent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /organism='Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                          /organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
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/mol_type="genomic DNA"
/db_xref="taxon:32644"
                                                                                                                                                GI:53918283
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                                           Daley, G.Q. and
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REFERENCE AUTHORS

TITLE

JOURNAL

FEATURES

SOURCE ORGANISM

PAT 17-JUL-2003

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ACCESSION VERSION KEYWORDS

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RESULT 33 AX294475/c

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Matches

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20

ACCESSION VERSION KEYWORDS SOURCE

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PAT 08-OCT-2004

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AX095871
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                                                                                                                                                           TITLE
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                                                                                                                                 Single nucleotide polymorphisms in genes Patent: WO 0118250-A 1049 15-WAR-2001; WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEAU Pharmaceuticals, Inc. (US)
                                                                                                                                                                                                                                                                                               Sequence 1049 from Patent AX095871
                                                                                                                                                                                                                                                                                                                                                                                                                                   l Similarity
17; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Single nucleotide polymorphisms in genes
Patent: US 6727063-A 1053 27-APR-2004;
Location/Qualifiers
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Lander, E.S., Cargill, M., Ireland, J.S., Bolk, S.,
McCarthy, J.J.
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AR529850
AR529850.1 GI:53918287
                                                                                                                    Pharmaceuticals, Inc. (US)
Location/Qualifiers
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                                                                                                                                                                                                                    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                           Homo sapiens (human)
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                                                                                                                                                                                          Lander, E.S., Gargill, M., Ireland, J.S., Bolk, S.,
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                                    Similarity
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 GCAACTTCAGCACAGAGGCCA 765
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                       Conservative
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Location/Qualifiers
                                                                    /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /organism="unknown"
/mol_type="genomic DNA"
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/mol_type="genomic
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                    Score 15.8; D
Pred. No. 34;
1; Mismatches
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Pred. No. 34;
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                                                                                                                                             ; Millennium
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RESULT 41
CQ617281
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AX453141/c
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AX095875
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Best Local Similarity
Matches 17; Conserv
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Fungal gene cluster associated with pathogenesis
Patent: WO 0242444-A 20 30-MAY-2002;
Syngenta Participations AG (CH); CORNELL RESEARCH FOUNDATION,
(US); Yoder, Olen (US); Turgeon, Barbara G. (US); Lu, Shen-w
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17; Conserv
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synthetic construct
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Sequence 20 from Patent WO0242444.
AX453141
AX453141.1 GI:21712648
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Single nucleotide polymorphisms in genes
Patent: WO 0118250-A 1053 15-MAR-2001;
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH
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Sequence 1053 from Patent WO0118250.
AX095875
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Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                        other sequences; artificial sequences.
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                                                                                    ATATTCTGCACTGATTGCT 528
                                                                   ATGTTCTGCACTGATCGCT 2
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                                                                                                                                                                                        /organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                                                                                                                                              note="Primer"
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PAT 02-FEB-2004
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AR458344
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ORGANISM
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CQ618102
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Best Local S
Matches 16
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JOURNAL
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Best Local Similarity
Matches 16; Conser
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                                                                                                                                                                                                          1974
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              731 CCTGGGTGCCTTCTGCA 747
Unclassified.
1 (bases 1 to 17)
Gu,Y., Ji,Y., Penn
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens (human)
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Sequence 2842 from Patent
CQ618102
CQ618102.1 GI:41668320
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CQ617281
                                                                                          Sequence 2021 from patent AR458344
                                                                                                                                                                                                                                                                                                                                                                 Myosin-like gene expressed in human heart and muscle Patent: WO 0192524-A 2842 06-DEC-2001;
                                                                                                                                                                                                                                                                                                                                                                                                   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
                                        Unknown
                                                                             AR458344.1
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
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                                                     Unknown.
                                                                                                                    AR458344
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16; Conservative
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Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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  Penn, S.G.,
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Pred. No. 35;
O; Mismatches
  Hanzel, D.K.,
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  Rank, D.R.,
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    Chen, W.
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ORGANISM
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KEYWORDS
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AX423205
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AR459165
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JOURNAL
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Matches 16; Conserv
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Query Match
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Best Local Similarity
Matches 16; Conserv
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AR459165
                                                                                      Method and reagent for the inhibition of erg patent: WO 0188124-A 1341 22-NOV-2001; RIBOZYME HARMACEUTICALS, INC. (US) ; GLAXO (Location/Qualifiers
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                                                                                                                                                                                                                                                           Sequence 1541 from Patent AX423205
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 (bases 1 to 17)
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R.,
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                                                                                                                                                                                                           Homo sapiens
                                                                                                                                                      Jarvis, T., von Carlowitz, I., Mcswiggen, J.A.,
                                                                                                                                                                                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; I
Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                       Homo sapiens (human)
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                                                                                                                                          Randi, A.M.
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                                     /organism="Homo sapiens"
/mol_type="unassigned RN/
/db_xref="taxon:9606"
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/mol_type="genomic DNA"
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Sequence 1757 from Patent
AX783426
AX783426.1 GI:32951275
          AX783428
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Patent: WO 03050284-A 1757 19-UUN-2003;
Amersham Biosciences (SV) Corp. (US)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                               Homo sapiens (human)
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Mammalia; Eutheria; Primates;
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Aeomica, Inc. (US)
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/mol_type="unassigned DNJ
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
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AX055866
 Baens, M., Marynen, P. and Dierlamm, J. Molecular characterisation of chromosome translocation t(11;18) (q21;q21) and its correlation to carcinogenesis Patent: WO 0073500-A 2 07-DEC-2000; Vlaams Interuniversitair Instituut voor Biotechnologie v
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Dierlamm, J., Baens, M. and Marijnen, P.
Dierlamm, J., Baens, M. and Chromosome translocation
Molecular characterization of chromosome translocation
t(11,18)(q21,q21) and its correlation to carcinogenesis
Patent: US 6689875-A 2 10-FEB-2004;
Location/Qualifiers
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AR474174
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/mol_type="genomic DNA"
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/mol_type="unassigned DN:
/db_xref="taxon:9606"
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Shannon, K.W., Wolber, P.K., Delenstarr, G.C.,
Kincaid, R.H.
                                                                                                                                                                                                                         Sequence 552 from patent
AR158930
AR158930.1 GI:16221339
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Evans, G.A. and Smith, M.W.
Method for generation of sequence sampled maps of complex genomes
Patent: US 5851760-A 543 22-DEC-1998;
Location/Qualifiers
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                                                                                  /organism="unknown"
/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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Pred. No. 40;
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AR163820
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FEATURES
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Matches 17
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Best local Similarity 85.0%;
Matches 17; Conservative
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                                                                    ON Antisense modulation of expression of receptor-associated factor (TRAF).

4 BD225099

BD225099.1 GI:33034869

JP 2002526095-A/234.

synthetic construct
M synthetic construct
Other accounts.
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other sequences; artificial sequences.

1 (bases 1 to 20)

Baker, B.F., Cowsert, L.M., Monia, B.P. and Xu, X.S.

Antisense modulation of expression of tumor necrosis factor receptor-associated factor (TRAF)

Patent: JP 2002526095-A 234 20-AUG-2002;
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                                                                                                                                                                                                                                                                                                                                                                               1 (bases 1 to 20)
Monia,B.P., Butler,M.M. and Wyatt,J.
Antisense inhibition of C/EBP beta expression
Patent: US 6271030-A 18 07-AUG-2001;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 (bases 1 to 20) Shannon, K.W., Wolber, P.K., Delenstarr, G.C., Kincaid, R.H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Method for evaluating oligonucleotide probe sequences Patent: US 6251588-A 553 26-JUN-2001; Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Unknown
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/mol_type="unassigned DNA"
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0; Mismatches
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JP 2002522073-A/17.
synthetic construct
M synthetic construct
other sequences; artificial sequences.
1 (bases 1 to 20)
Robinson, I.C.A.F., Stoye, J.P., Flavell, I
                                                       358
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                                                                           0.6%;
1 Similarity 85.0%;
17; Conservative
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PC C12N1
C12N5/10,
PC C12P2
Gene
FH Key
FT SOURC
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MEDICAL RESEARCH COUNCIL

OS Artificial Sequence
PN JP 2002522073-A/17

PD 23-JUL-2002
PF 12-AUG-1999 JP 200565123
PF 12-AUG-1999 GB 9817566.4,06-MAY-1999 GB

IAIN CLLVE ANDREW FRANKLIN ROBINSON,JONATHAN PAUL
FLAVELL,
FLAVELL
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OS Arcificial Sequence
PN JP 2002526095-A/234
PD 20-AUG-2002
PF 05-OCT-1999 JP 2000574546
PR 06-OCT-1999 US 009/167109
PI BRENDA F BAKER, LEX M COWSERT, BRETT P MONIA, XIAOXING S XU
C12N15/09, A61K31/7105, A61K48/00, A61P29/00, A61P35/04, C12N15/00
PH Key Location/Qualifiers
FH Key Location/Qualifiers
FT source /organism='Artificial Sequence'.
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                                         GATCCAGCATCCTCTCCGCC 377
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C12N15/09,A01K67/027,C07K14/47,C12N1/15,C12N1/19,C12N1/21,
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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STOYE, DAVID
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CQ798040
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AUTHORS
TITLE
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Query Match 0.6%;
Best Local Similarity 85.0%;
Matches 17; Conservative
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                                                          CQ798040
Sequence 8 :
CQ798040
CQ798040.1
synthetic construct synthetic construct other sequences; artificial sequences
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Patent: WO 2004020469-A 8 11-MAR-2004;
Novartis AG (CH); Novartis Pharma GmbH
Location/Qualifiers
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Patent: WO 2004003201-A 3383
Pharmacia Corporation (US)
Location/Qualifiers
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mol_type="unassigned DNA"

db_xref="taxon:32630"
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/mol_type="unassigned DNA"
/db_xref="taxon;32630"
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from Patent WO2004028635.
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                                                               GI:46426492
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RESULT 60
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AR199798/c
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108 17; Conservative (
 1633 TCAGCTAACCTCTCTTCTTC 1652
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                                                                                               Unclassified.

1 (bases 1 to 20)

Bennett, C. Frank. and Freier, S.M.
Antisense inhibition of integrin beta 4
Patent: US 6355482-A 59 12-MAR-2002;
Location/Qualifiers
                                                                                                                                                                                                         Sequence 59 from patent AR199798 AR199798.1 GI:20249872
                                                                                                                                                                                                                                                                                                                                                                                                                                        Length polymorphisms in (dC-dA).sub.n.(dG-dT).sub.n method of using the same Patent: US 5582979-A 213 10-DEC-1996;
                                                                                                                                                                      Unknown
                                                                                                                                                                                   Unknown.
                                                                                                                                                                                                                                           AR199798
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Unknown
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Ocular gene therapy
Patent: WO 2004028635-A 8 08-APR-2004;
Novartis AG (CH); Novartis Pharma GmbH
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
                                                                  /organism="unknown"
/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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RESULT 64
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AR216033/c
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AR203182
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1 (bases 1 to 20)

Bennett, C. Frank. and Wyatt, J.

Antisense modulation of lysophospholipase

Patent: US 6365354-A 101 02-APR-2002;

Location/Qualifiers
Unknown.
Unclassified.
1 (bases 1 to 20)
Griffais,R., Hoiseth,S.K.,
Sankaran,B. and Fletcher,L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      4
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                                                  Unknown
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                                                                                                                                                                                                                                           organism="unknown"
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/mol_type="unassigned
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11 Similarity 85.0%;
17; Conservative
   l Similarity
                                                                                                           Wright, J.A., Young, A.H. and Dugourd, D.
Antisense oligonucleotide sequences derived from
inhibitors of microorganisms
Patent: WO 0136625-A 180 25-MAY-2001;
GeneSense Technologies Inc. (CA)
Location/Qualifiers
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Sequence 3 from Patent WO0112830
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                                                                                                                                                                                                   other sequences; artificial sequences.
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larity 85.0%;
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                                                             /mol_type="unassigned DNA"
/db_xref="taxon:32630"
                                                                                      organism="synthetic construct"
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/mol_type="genomic
                                                 note="Antisense oligonucleotide"
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/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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AX925251.1 GI:40243420
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/mol_type="unassigned DNA"
/db_xref="taxon:10095"
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                                                                                                                                                                                                                                                                                                                                                                                            PF 28-JUL-2000 WO 2000JP005062
PR 29-JUL-1999 JP 99P 248036,
11-JAN-2000 JP 00P 118776,02-MA
18-OCT-1999 US 60/159590,17-FE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ISHII,S., Sugiyama,T., Wakamatsu,A., Nagai,K., Otsuki,T., Yano,K., Murakami,K., Kanzaki,K., Inoue,Y., Hashimoto,E. and Kashima,A. A novel gene encoding a serine protease-like protein patent: WO 0109349-A 18 08-FEB-2001;
HELIX RESEARCH INSTITUTE TOSHIO OTA,TAKAO ISOGAI,TETSUO NISHIKAWA, KOJI HAYASHI,KAORU SAITO,JUNICHI YAMAMOTO,SHIZUKO ISHII, OMOYASU SUGIYAMA, AI WAKAMATSU,KEIICHI NAGAI,TETSUJI OTSUKI,KAZUHIRO YANO, OJI MURAKAMI, KOJI KANZAKI,YOSHIHISA INOUE,EMI HASHIMOTO,AKIKO
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Ota, T., Isogai, T., Nishikawa, T., Hayashi, K., Saito, K., Yamamoto, J.,
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Novartis AG (CH)
                                                                                                                                                                                                                                                                                                                                KOJI KANZAKI
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                                                                                                                                                                                                                                               Description of Artificial Sequence:
                                  Conservative
                                                                                                                                                                                                                                                               A61K38/48, A61K31/7052, A61K48/00//C12P21/08, (C12N9/64, C12R1:91)
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                                                                                                                                                           Location/Qualifiers
                                                                                              organism="Mus musculus"
/mol_type="genomic DNA"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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                                               Score 15.2;
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Pred. No. 4
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Sequence 1758 from Patent
AX783427
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Zwick, M.G., Edington, B.E., McSwiggen, J.A., Mc
Guo, L., Skokut, T.A., Young, S.A., Folkerts, O.
Nucleic acid encoding delta-9 desaturase
Patent: US 6350934-A 155 26-FEB-2002;
LOCATION/Qualifiers
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1 (bases 1 to 17)

Zwick, M.G., Edington, B.E., McSwiggen, J.A., M. Guo, L., Skokut, T.A., Young, S.A., Folkerts, O. Nucleic acid encoding delta-9 desaturase Patent: US 6350934-A 153 26-FEB-2002;
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Sequence
AR195688
    Eukaryota; Metazoa;
Mammalia; Eutheria;
                          Homo sapiens (human)
Homo sapiens
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                                                                                                                                                                                                                                               /organism="unknown"
/mol_type="unassigned DNA"
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/mol_type="unassigne
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Craniata; Vertebrata; Euteleostomi; Catarrhini; Hominidae; Homo.
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O. and Merlo, D.J.
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MEDICAL RESEARCH COUNCIL
OS Artificial Sequence
PN JP 2002522073-A/21
PD 23-JUL-2002
PF 12-AUG-1999 JP 20005651:
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CQ771686.1 G:
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other sequences; artificial sequences.
1 (bases 1 to 18)
Robinson,I.C.A.F., Stoye,J.P., Flavell,D.,
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Guo, J.
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PR 12-AUG-1998 GB 9817566.4,06-MAY-1999
IAIN CLIVE ANDREW FRANKLIN ROBINSON,JONATHAN
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Location/Qualifiers
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PC C12P21/02,C12Q1/68,G01N33/15,G01N33/50,C12N15/00,C12N5/00 CC
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C12N15/09,A01K67/027,C07K14/47,C12N1/15,C12N1/19,C12N1/21, PC
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/mol_type="genomic DNA"
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Best Local Similarity
Matches 16; Conserv
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I14363
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  1 (bases 1 to 18)
Younkin, D.P. and Pleasure, D.
Methods for screening for neurotoxicity using teratocarcinoma cell line
Patent: US 5449609-A 5 12-SEP-1995;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Nakamura,Y. and Katagiri,T.

Genes and polypeptides relating to human myeloid leukemia Patent: WO 2004031237-A 12 15-APR-2004;
Oncotherapy Science, Inc. (JP); Japan as represented by the president of the university of Tokyo (JP)

Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 12 from Patent CQ798833 CQ798833.1 GI:46847870
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            synthetic construct
synthetic construct
                                                                                                                                                                        Unknown.
                                                                                                                                                                                                             I14363.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Cuzin, M., Mandrand, B., Cleuz
Better organised biochip
Patent: WO 2003100423-A 113
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
                                                                                                                                Unclassified.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          h 0.6%;
Similarity 88.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Apibio (FR)
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Antisense"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /organism="synthetic construct"
/mol_type="unassigned DNA"
/mb xrefs="taxon:32630"
/noce="Artificially synthesized
                                                                                                                                                                                                             GI:996854
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; Pred. No. 43;
0; Mismatches
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Pred. No. 43
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WO2004031237.
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AR490327
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                           NISHIDA
OS ARTÍFÉ
PN WO 011
PN 06-DEC
PD 06-DEC
PF 01-JUL
PR 01-JU
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l Similarity 88.9%;
l6; Conservative
                                                                                                                                                                                                                                                                                                          Kit and method for determining HLA type
Patent: WO 0192572-A 352 06-DEC-2001;
NISSHINBO INDUSTRIES INC. SYSTEM RESEARCH INC. HIDETOSHI INOKO, TA
KAGIYA, TATSUO ICHIHARA, YOSHIYUKI MATSUMURA, SHOGO MORIYA, MICHIO
                                                                                                                                                                                                                                                                                                                                                                                                           synthetic construct other sequences. other sequences; artificial sequences.

1 (Dases 1 to 18)

Inoko,H., Kagiya,T., Ichihara,T., Matsumura,Y.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  BD104248.1 GI:22649822
WO 0192572-A/352.
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Sah, D. W.Y., Gage, F.H. and Ray, J.
Human CNS cell lines and methods of
Patent: US 6713247-A 1 30-MAR-2004;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 1
AR490327
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                                                                 SHOGO MORIYA, MICHIO NISHIDA
C12Q1/68,C12M1/00,C12N15/09,G01N33/53
Description of Artificial Sequence:capture
Key Location/Qualifiers
                                                                                                                                                                                      Artificial Sequence
W0 0192572-A/352
06-DEC-2001
01-JUN-2001 WO 2001JP004662
01-JUN-2000 JP 00P 164798
                                                                                                                                                                      HIDETOSHI INOKO, TAEKO KAGIYA, TATSUO ICHIHARA, YOSHIYUKI
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/organism='Artificial Sequence'
Location/Qualifiers
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/mol_type="unassigned DNA"
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/mol_type="genomic |
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Pred. No. 43;
O; Mismatches
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AUTHORS
TITLE
JOURNAL
      Pocus
             RESULT 84
AR119350/c
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AR071364/c
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AR063168/c
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Sequence
AR071364
                                                                                                                                                                                                                                                                                                                                             19
                                                                                                                                                                1 (bases 1 to 19)
Prest_I.G., Shelton,D.L. and Urfer,R.
Human trk receptors and neurotrophic factor inhibitors
Patent: US 5910574-A 22 08-UUN-1999;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                    16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 (bases 1 to 19)
1 (bases 1 to 19)
Presta,L.G., Shelton,D.L. and Urfer,R.
Human TRK receptors and neurotrophic f
Patent: US 5844092-A 22 01-DEC-1998;
Location/Qualifiers
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Sequence
AR063168
     AR119350
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                                                                                                                                                                                                                                                                              22 from patent US 5910574.
                                                                                                                                  /organism="unknown"
/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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RESULT 86
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CC microsequencing olig
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Cohen,D., Blumenfeld,M., Chumakov,I. and Bougueleret,L. Prostatic cancer gene
Patent: JP 2002516657-A 450 11-JUN-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     16;
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PR 22-DEC-1997 US 08/99658,09-SEP-1998 US 60/099658 PI
DANIEL COHEN, MARTA BLUPENFELD, ILVA CHUWAKOV, LYDIE BOUGUELERET PC
C12N15/09,C12N15/09,A01K67/027,C07K14/47,C07K16/18,C12N1/15, PC
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Presta, L.G., Shelton, D.L. and Ufer, R.
Human TRK receptors and neurotrophic
Patent: US 6153189-A 22 28-NOV-2000;
Location/Qualifiers
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JP 2002516657-A/450
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Key Location/Qualifiers
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/mol_type="genomic DNA"
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
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CHRONICALLY ACTIVE HEPATITIS B VIRUS AND METHOD FOR DETECTING THE CHRONICALLY ACTIVE HEPATITIS B VIRUS AND METHOD FOR DETECTING THE ALL TRUMURA & CO.

OS Artificial gene
OC Artificial sequence; Genes.
EN JP 1993184400-A/5
PD 27-JUL-1993
PD 27-JUL-1993
PD 17-JAN-1992 JP 1992025887
PI KOMATA MASAO, EHATA TOSHIKI
PC C1201/70, C12N7/00,C12Q1/68,G01N33/50//A61B10/00,A61K39/29, PC
C12N15/50,
PC C12N15/51;
CC strandedness Single;
CC topology; Linear.
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OS Artificio
OS Artificio
OC Artificio
PN JP 19931
PD 27-JUL-1
PF 17-JAN-1
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PC C1201/70
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CC stranded
CC topology
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E05126.1 GI:2173319
JP 1993184400-A/9.
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CHRONICALLY ACTIVE HEPATITIS B VIRUS PRICENT: JP 1993184400-A 9 27-JUL-1993;
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Artificial sequence; Genes.
JP 1993184400-A/9
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                                                                                                                             topology: Linear
                                                                                                                                          strandedness: Single;
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KOMATA MASAO, EHATA TOSHIKI
C1301/70,C12N7/00,C12Q1/68,G01N33/50//A61B10/00,A61K39/29,
                                                                                                                                                         12N15/51;
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
                                                    /organism="synthetic co
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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AR493023.1
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Roder, M., Plaschke, J. and Ganal, M.
Microsatellite markers for plants of the species
and Tribe triticeae and the use of said markers
Patent: US 6720137-A 55 13-APR-2004;
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                                                                                                                                                                                                                                              Patent: WO 0130362-A 2171 03-MAY-2001; IMMUSOL, INC. (US)
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                                                                                                                                          /note="Cyclin E ribozyme binding
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Schraermeyer, Ulrich (DE)
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Treatment for diseases of the eye, inner ear and central nervous
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A nucleic acid which is upregulated in human tumor cells, a protein encoded thereby and a process for tumor diagnosis Patent: EP 1158001-A 8 28-NOV-2001;
F. HOFFMANN-LA ROCHE AG (CH)
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/mol_type="unassigned DNA"
/db xref="taxon:32630"
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US-09-131-719-65
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Sequence 80, Appl Sequence 153, App Sequence 153, Appl Sequence 5, Appli Sequence 65, Appli Sequence 22, Appl Sequence 23, Appl Sequence 476, App Sequence 476, App Sequence 476, App Sequence 9, Appl Sequence 9, Appl Sequence 117, Appl Sequence 117, Appl Sequence 1294, App Sequence 1294, App Sequence 1294, App Sequence 2022, Appl Sequence 2022, Appl Sequence 2022, Appl Sequence 2022, Appl Sequence 153, App Sequence 2018, App Sequence 153, App Sequence 2018, App Sequence 21, App Sequence 23, App Sequence 24, Ap
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PRIOR APPLICATION UNMBER: 60/100,678
PRIOR FILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 127806
SOFTWARE: FASCESQ for Windows Version 4.
SEQ ID NO 52073
LENGTH: 25
TYPE: DNA
ORGANISM: mus musculus
US-09-396-196G-52073
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PATENT NO. 6821724
GENERAL INFORMATION:
APPLICANT: Michael Mittmann
APPLICANT: David Mack
APPLICANT: David Mack
APPLICANT: David Lockhart
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3101.1
CURRENT APPLICATION NUMBER: US/09/396,196G
CURRENT APPLICATION NUMBER: US/09/396,196G
CURRENT APPLICATION METHODS NOTE: 1999-09-15
CURRENT FILING DATE: 1999-09-15
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Score 19.2; DB 1;
Pred. No. 7.1;
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Sequence 11680, Application US/09422978

Patent No. 6537751

GENERAL INFORMATION:

APPLICANT: Cohen, Daniel
APPLICANT: Chen, Daniel
APPLICANT: Chen, Bailelic markers for use in constructing a high density...

PILE REFERENCE: GENSET.020CP1
CURRENT APPLICATION NUMBER: US/09/422,978
CURRENT FILING DATE: 1999-10-20
EARLIER APPLICATION NUMBER: US 09/298,850
EARLIER APPLICATION NUMBER: US 60/109,732
EARLIER FILING DATE: 1998-11-23
EARLIER FILING DATE: 1998-11-23
EARLIER APPLICATION NUMBER: US 60/082,614
EARLIER PILING DATE: 1998-04-21
EARLIER FILING DATE: 1998-04-21
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CURRENT APPLICATION NUMBER: US/09/587,945
CURRENT FILING DATE: 2000-06-06
PRIOR APPLICATION NUMBER: US 60/190,692
PRIOR FILING DATE: 2000-03-20
PRIOR FILING DATE: 1908-05-26
PRIOR APPLICATION NUMBER: US 99/085,380
PRIOR APPLICATION NUMBER: SE 9701963-2
PRIOR APPLICATION NUMBER: SE 9701963-2
PRIOR APPLICATION NUMBER: SE 9701963-2
PRIOR FILING DATE: 1997-05-26
NUMBER OF SEQ ID NOS: 26
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 20
LENGTH: 22
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APPLICANT: Carlsson, Peter
TITLE OF INVENTION: Animal Model
                                                                                                                                                                                     TYPE: DNA ORGANISM: Homo Sapiens FEATURE:
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TYPE: DNA
ORGANISM: Artificial Sequence
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                                                                                                              SEQ 3815,
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Matches

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US-09-733-294A-40/c
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/482,918
FILING DATE: 07-JUN-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Clough, David M.
REGISTRATION NUMBER: 36,107
REFERENCE/DOCKET NUMBER: 01017/33005
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 40, Application US/09733294A Patent No. 6492171
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LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: 09/572,423
PRIOR FILING DATE: 2000-05-16
NUMBER OF SEQ ID NOS: 108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION NUMBER: US/09/733,294A CURRENT FILING DATE: 2000-12-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: William Gaarde
APPLICANT: Susan M. Freier
APPLICANT: Edward V. Wancewicz
TITLE OF INVENTION: ANTISENSE MODULATION OF TERT EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILE REFERENCE: ISPH-0527
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Brett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OTHER INFORMATION: Antisense Oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Suggs, Sidney V. APPLICANT: Martin, Francis H. TITLE OF INVENTION: Stem Cell
                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                          CITY: Chicago
STATE: Illinois
                                                                                                                                                                                                                                                                                                                                                                   STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                                                                                                                                                                                                                                                                                       COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE:
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                                                                                                                                                                                                                                                                                                                                                                 6300 Sears Tower,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Bosselman, Robert A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Zsebo, Krisztina M.
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00 Sears Tower, 233 South Wacker Drive
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Pred. No. 17;
0; Mismatches
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RESULT 6
US-09-224-681-16
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Best Local Similarity
Matches 18; Conserv
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                                                                                      PILING DATE: 25-NOV-1992

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/589,701
FILING DATE: 01-OCT-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/573,616
FILING DATE: 24-AUG-1990
PRIOR APPLICATION NUMBER: 07/537,198
APPLICATION NUMBER: 07/537,198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
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                                                                                                                                                                                                                                                  CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/449
FILING DATE: 24-MAY-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/982
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC_DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/224,681
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS LENGTH: 21 base pairs
                                                    PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Too
STREET: 6300 Sears Tower,
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES:
                    APPLICATION NUMBER: 07/4 FILING DATE: 16-0CT-1989
                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: 09/01 FILING DATE: 12-JAN-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ZIP: 60606-6402
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY: United States of America
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WENTION: Method for Enhancing the Efficiency of Gene
WENTION: Transfer with Stem Cell Factor (SCF) Polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Bosselman, Rober
Suggs, Sidney V.
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                                                                           11-JUN-1990
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                                     07/422,383
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Tower, 233
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Pred. No. 18
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South Wacker Drive
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                            CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/982,255
FILING DATE: 25-NOV-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/589,701
FILING DATE: 01-OCT-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/573,616
APPLICATION NUMBER: 07/573,616
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Zsebo,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                  FILING DATE: 24-AUG-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/537,198
FILING DATE: 11-JUN-1990
                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Patentin Releas
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08
FILING DATE: 09-NOV-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
APPLICANT:
                        NAME: Clough, David W.
REGISTRATION NUMBER: 36,107
REFERENCE/DOCKET NUMBER: 01017/32956
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
                                                                                                          APPLICATION NUMBER: 07/4:
FILING DATE: 16-OCT-1989
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDIUM TYPE: Floppy
                                                                                                                                                                FILING DATE: 11-JUN-1990 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Martin, Francis H.
TITLE OF INVENTION: Stem Cell
NUMBER OF SEQUENCES: 104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear MOLECULE TYPE: DNA
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-0448
                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: United States of America ZIP: 60606-6402
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STREET:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ENGTH: 21 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2402 ATAAATGAAAGTGAGAATCC 2421
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: Illinois
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6207802
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                                                                                                                            UMBER: 07/422,383
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Pred. No. 18
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RESULT 8
US-09-635-251-16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
Matches 18; Conserva
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                    TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: 1: MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/449,182
FILING DATE: 24-MAX-1995
APPLICATION NUMBER: 08/172,329
FILING DATE: 21-DEC-1993
APPLICATION NUMBER: 07/982,255
FILING DATE: 25-NOV-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRANDEDNESS: 8
TOPOLOGY: linea
                                                                          REFERENCE/DOCKET NUMBER: 01017/32957A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-3300
TELEFAX: 312/474-0448
                                                                                                                                                                                       FILING DATE: 24-AUG-1990
APPLICATION NUMBER: 07/537,198
FILING DATE: 11-JUN-1990
APPLICATION NUMBER: 07/422,383
FILING DATE: 16-OCT-1989
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 60606-6402
COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION: Stem Cell Factor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Zsebo, Krisztina M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2402 ATAAATGAAAGTGAGAATCC 2421
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CITY: Chicago
STATE: Illinois
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                                                                                                                                                         NAME: Clough, David PREGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US/09/635,251 FILING DATE: 07-Aug-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATAAATGCAAGTGATAATCC 21
                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 07/684,535
FILING DATE: 04-OCT-1991
APPLICATION NUMBER: 07/589,701
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY: United States of America
                                                                                                                                                                                                                                                                                                      ILING DATE: 01-OCT-1990
PPLICATION NUMBER: 07/573,616
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE: Marshall,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Application US/09635251
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OF SEQUENCES: 104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Suggs, Sidney V.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Bosselman, Robert A.
21 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EE: Marshall, O'Toole, Gerstein, Murray & Borun 6300 Sears Tower, 233 South Wacker Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         90.0%;
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Pred. No. 18;
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APPLICANT: Colasanti, Joseph J.

APPLICANT: Sundaresan, Venkatesan

TITLE OF INVENTION: Control of Floral Induction in Plants

TITLE OF INVENTION: And Uses Therefor

PILE REFERENCE: CSHL94-04A4

CURRENT APPLICATION NUMBER: US/09/056,226B

CURRENT FILING DATE: 1998-04-07

EARLIER APPLICATION NUMBER: US 09/000,640

EARLIER APPLICATION NUMBER: US 08/804,104

EARLIER FILING DATE: 1997-12-30

EARLIER APPLICATION NUMBER: US 08/804,104

EARLIER APPLICATION NUMBER: US 08/804,104

EARLIER APPLICATION NUMBER: PCT/US96/03466

EARLIER APPLICATION NUMBER: US 08/406,186

EARLIER APPLICATION NUMBER: US 08/406,186
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MOLECULE TYPE: DNA

SEQUENCE DESCRIPTION: SEQ ID NO:
US-09-635-251-16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; NAME/KEY: misc_feature
; LOCATION: (1) ... (22)
; LOCHER INFORMATION: n = A,T,C or
US-09-056-226-17
                                                                                                                                                                                             US-09-467-082-10/c
                                                                                                                                                                                                                     RESULT 10
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                                                                                                                                                        Sequence 10, Application US/09467082 GENERAL INFORMATION:
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Best Local Similarity
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Best Local
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APPLICANT: Brett P. Monia
APPLICANT: Lex M. COWSETT
TITLE TIVENTION: ANTISENSE MODULATION OF PKA CATALYTIC SUBUNIT C-ALPHA EXPRESSION
FILE REFERENCE: RTS-0088
CURRENT APPLICATION NUMBER: US/09/467,082
CURRENT FILING DATE: 1999-12-17
NUMBER OF SEQ ID NOS: 49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY: misc_feature
LOCATION: (16) ...(16)
OTHER INFORMATION: 'N' at position 16 represents an insertion
OTHER INFORMATION: nucleotides, producing a mutation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
ORGANISM: Zea mays
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Pred. No. 1
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Pred. No. 18;
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RESULT 12
US-08-791-883-5
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US-09-288-339-39
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US-09-288-339-39
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION NUMBER: US/09/288,339
CURRENT FILING DATE: 1999-04-08
NUMBER OF SEQ ID NOS: 44
SOFTWARE: PATENTIN Ver. 2.0
SEQ ID NO 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 17; Conserv
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LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Patent No. 6436399
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                             Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Rikihisa, Yasuko
APPLICANT: Zhi, Ning
APPLICANT: Chashi, No. 6436399io
APPLICANT: Ohashi, No. 6436399io
TITLE OF INVENTION: Nucleic Acid Encoding the Major Outer Membrane Protein
TITLE OF INVENTION: the Causative Agent of Human Granulocytic Ehrlichiosis
TITLE OF INVENTION: and Peptides Encoded Thereby
                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
                                                                                                                            TITLE OF INVENTION: APC MUTATION ASSOCIATED WITH
TITLE OF INVENTION: FAMILIAL COLORECTAL CANCER IN ASHKENAZI JEWS
NUMBER OF, SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Banner & Witcoff. 1.2
STREET: 1001 G 22.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
                         COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
COMPUTER: IBM Compat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 21
                                                                                                                                                                                                                                                                                APPLICANT:
                                                                                                           ·CITY: Washington STATE: DC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.7%;
Local Similarity 94.4%;
tes 17; Conservanting
 OPERATING SYSTEM:
SOFTWARE: FastSE
                                                                            ZIP: 20001
                                                                                         COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                         563 GTTTGACTGGAACACACC 580
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                                                                                              USA
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SYSTEM: DOS
FastSEQ for Windows Version 2.0
                             IBM Compatible
                                                Diskette
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Pred. No. 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 16.4;
Pred. No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
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CLASSIFICATION: 435 PRIOR APPLICATION DATA:

FILING DATE: APPLICATION NUMBER:

31-JAN-1997

US/08/791,883

CURRENT APPLICATION DATA:

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RESULT 13
US-09-023-673-5
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Best Local Similarity 89.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 5,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
APPLICANT: LAKEN,
APPLICANT: GRUBER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEL...

NAME: Kagan, Saran 2,145
REGISTRATION NUMBER: 32,145
REFERENCE/DOCKET NUMBER: 0110'
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION TOPOMATION:
TELECOMMUNICATION TOPOMATION:
TOPOMATION:
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TOPOMATION:
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LENGTH: 19 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                       COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/023,673
                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
CORRESPONDENCE BANNER & Witcoff, Ltd.
ADDRESSEE: Banner & Witcoff, Ltd.
STREET: 1001 G Street, N.W.
                                                                     APPLICATION NUMBER: 08/791,883
FILING DATE: 31-7AN-1997
ATTORNEY/AGENT INFORMATION:
NAME: Kagan, Sarah A
REGISTATION NUMBER: 32,145
REFERENCE/DOCKET NUMBER: 01107.03734
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatil
                                                                                                                                                                                                     PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: APC MUTATION ASSOCIATED WITH
TITLE OF INVENTION: FAMILIAL COLORECTAL CANCER IN ASHKENAZI JEWS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE:
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                          STATE: I
                     TELEPHONE: 202-508-9299
                                                                                                                                                                                                                      FILING DATE:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: Washington
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FOR SEQ ID NO:
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                                                                                                                                                                                                                                                                                                                                                                                                            USA
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KINZLER, KENNETH
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                                                        202-508-9100
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Pred. No. 25;
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RESULT 15 US-09-540-257B-22/c

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US-09-375-318-80/c
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                                                           Query Match
Best Local Similarity
Matches 17; Conserv
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INFORMATION FOR SEQ ID NO:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 19 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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Local Similarity 89.5%;
es 17; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION MUMBER: US/09/375,318
FILING DATE: 16-Aug-1999
FILING DATE: 16-Aug-1999
                                                                                                                                                     TOPOLOGY: linear SEQUENCE DESCRIPTION: SEQ ID NO: 80:
                                                                                                                                                                                                                                                                     NAME: Verna, James M.
REGISTRATION NUMBER: 33,287
REFERENCE/DOCKET NUMBER: 920010.571C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
                                  1842 CCAAGGGGAGGAGTTGGAG 1860
                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BEERY LLP
STREET: 701 Fifth Ave, Suite 6300
                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
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Galas, David J.
TITLE OF INVENTION: CHROMOSOME 1 GENE AND GENE PRODUCTS RELATED TO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: 88
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19 CCCAGGGGAGGAGCTGGAG 1
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                                                                                                                                                                                    TYPE: nucleic acid
STRANDEDNESS: single
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STATE: Washington
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ZIP: 98104-7092
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                                                                    Conservative
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                                                                                  0.7%; Score 15.8;
89.5%; Pred. No. 25;
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                                                                  <u>,</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; Score 15.8; D; Pred. No. 25; 0; Mismatches
                                                                    Mismatches
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US-09-344-001-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; OTHER INFORMATION: Antisense Oligonucleotide
US-09-344-001-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; OTHER INFORMATION: Forward primer for Mouse CD40 US-09-540-257B-22
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LENGTH: 20
TYPE: DNA
                                                                                                              Sequence 20, Application US/09344001
Patent No. 6054440
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Lex M. Cowsert
TITLE OF INVENTION: ANTISENSE MODULATION OF
FILE REFERENCE: RTS-0067
                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 89.5
Matches 17; Conservative
SEQ ID NO 20
LENGTH: 20
TYPE: DNA
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Best Local Similarity
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Patent No. 6054440
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Brett P. Monia
APPLICANT: Lex M. Cowsert
TITLE OF INVENTION: ANTISENSE MODULATION OF Jun N-TERMINAL KINASE KINASE-2 EXPRESSION
FILE REFERENCE: RTS-0067
CURRENT APPLICATION NUMBER: US/09/344,001
CURRENT FILING DATE: 1999-06-24
NUMBER OF SEQ ID NOS: 47
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CURRENT APPLICATION NUMBER: US/09/540, 257B
CURRENT FILING DATE: 2000-03-31
PRIOR APPLICATION NUMBER: US 60/146, 275; US 60/127, 591
PRIOR APPLICATION NUMBER: US 60/146, 275; US 60/127, 591
PRIOR FILING DATE: 1999-07-29; 1999-04-02
NUMBER: OF SEQ ID NOS: 26
                                                                           CURRENT APPLICATION NUMBER: US/09/344,001
CURRENT FILING DATE: 1999-06-24
                                                           NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Artificial Sequence FEATURE:
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Pred. No. 27;
0; Mismatches
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Pred. No. 25;
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APPLICANT: WRIGHT, Jim A.

APPLICANT: YOUNG, Aiping
APPLICANT: YOUNG, Aiping
APPLICANT: DOGORD, Dominique
ITITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE SEQUENCES AS INHIBITORS OF
ITITLE OF INVENTION: MICROORGANISMS
FILE REFERENCE: 032396-016
CURRENT APPLICATION NUMBER: US/09/112,580
CURRENT FILING DATE: 1998-07-09
EARLIER APPLICATION UMBER: US 60/052,160
EARLIER APPLICATION UMBER: US 60/052,160
EARLIER APPLICATION UMBER: US 60/052,160
SAUTHARE: PATENTIANG DATE: 1997-07-10
SOFTWARE: PATENTIN DATE: 1997-07-10
SOFTWARE: PATENTIN Ver. 2.0
SEQ ID NO 196
LENGTH: 20
US-09-112-580-196
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US-09-112-580-196
; Sequence 196, A
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; TYPE: DNA
; ORGANISM: Homo Sapien
US-08-771-737-8
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; OTHER INFORMATION: Antisense Oligonucleotide
US-09-344-001-20
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US-08-771-737-8/c
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RENERAL INFORMATION
PARTY OF THE PROPERTY 
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GENERAL INFORMATION:
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Best Local (
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APPLICANT: Abbott Laboratories
TITLE OF INVENTION: A VARIANT HUMAN ALPHA 7 ACETYLCHOLINE
TITLE OF INVENTION: RECEPTOR SUBUNIT, AND METHODS OF PRODU
FILE REFERENCE: 6017.US.01
CURRENT FILING DATE: 1996-12-20
NUMBER OF SEQ ID NOS: 8
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APPLICANT: McKemna, David G.
APPLICANT: Monteggia, Lisa M.
APPLICANT: Roch, Jean-Marc
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                                      ORGANISM: Escherichia
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Local Similarity 89.5%;
1e8 17; Conservative
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                                                                          DNA
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Pred. No. 27;
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Pred. No. 27
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Query Match

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Score 15.8;

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Length 20;

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; ORGANISM: Homo sapiens US-09-657-472-1049
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                                                                                                  CURRENT APPLICATION NUMBER: US/09/657,472
CURRENT FILING DATE: 2000-09-07
PRIOR APPLICATION NUMBER: US 60/153,357
PRIOR FILING DATE: 1999-09-10
PRIOR APPLICATION NUMBER: US 60/220,947
PRIOR APPLICATION NUMBER: US 60/225,724
PRIOR PILING DATE: 2000-08-16
NUMBER OF SEQ ID NOS: 2551
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; ORGANISM: Homo Sapien
US-09-954-936-8
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US-09-954-936-8/c
                                              SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1049
LENGTH: 21
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Patent No. 6727063
GENERAL INFORMATION:
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Best Local
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Patent No. 66831
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APPLICANT: McCarthy, Jeanette J.
TITLE OF INVENTION: SINGLE NUCLEOTIDE POLYMORPHISMS
FILE REFERENCE: 2825.1027-001
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APPLICANT: Cargill, Miche
APPLICANT: Ireland, James
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CURRENT FILING DATE: 2001-09-18
PRIOR APPLICATION NUMBER: 08/771,737
PRIOR FILING DATE: 1996-12-20
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APPLICANT: Abbott Laboratories
TITLE OF INVENTION: A VARIANT HUMAN ALPHA 7 ACETYLCHOLINE
TITLE OF INVENTION: RECEPTOR SUBUNIT, AND METHODS OF PRODUCTION AND USES THEREOF
FILE REFERENCE: 6017.US.01
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APPLICANT: Briggs, Clark A.
APPLICANT: Gopalakrishnan, M
APPLICANT: McKenna, David G.
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SOFTWARE: FastSEQ for Windows Version 3.0
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Pred. No. 27,
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GENERAL INFORMATION:

APPLICANT: GU, Yizhong

APPLICANT: JI, Yonggang

APPLICANT: PENN, Sharron G.

APPLICANT: HANZEL, David K.

APPLICANT: HANZEL, David R.

APPLICANT: CHEN, Wensheng

APPLICANT: CHEN, Wensheng

APPLICANT: SHANNON, Mark

ITITLE OF INVENTION: MYGGIN-LIKE GENE EXPRESSED IN HUMAN HEART AND

FILE REFERENCE: AEOMICA-7

CURRENT APPLICATION NUMBER: US/09/866,108A

CURRENT FILING DATE: 2001-05-25

CURRENT FILING DATE: 106 6/70 / 166
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APPLICANT: McCarthy, Jeanette J.

TITLE OF INVENTION: SINGLE NUCLEOTIDE POLYMORPHISMS IN GENES
FILE REFERENCE: 2825.1027-001

CURRENT APPLICATION NUMBER: US/09/657,472

CURRENT FILING DATE: 2000-09-07

PRIOR APPLICATION NUMBER: US 60/153,357

PRIOR APPLICATION NUMBER: US 60/220,947

PRIOR FILING DATE: 1999-09-10

PRIOR FILING DATE: 2000-07-26

PRIOR PRIOR APPLICATION NUMBER: US 60/225,724

PRIOR APPLICATION NUMBER: US 60/225,724

PRIOR APPLICATION NUMBER: US 60/225,724
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PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00667
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US-09-657-472-1053
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1053
LENGTH: 21
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Matches 17; Conservative
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APPLICANT: Lander, Eric S.
APPLICANT: Cargill, Michele
APPLICANT: Ireland, James S.
APPLICANT: Bolk, Stacey
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Best Local Similarity 81.0
Matches 17; Conservative
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81.0%; Pred. No. 28
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Pred. No. 28;
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FILING DATE:

FILING DATE:

APPLICATION NUMBER: PCT/US01/00669

APPLICATION NUMBER: PCT/US01/00664

2001-01-30 NUMBER: PCT 2001-01-30

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Patent No. 6686188
SEQ ID NO 2021
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Best Local Similarity
Patent No. 668
SEQ ID NO 2842
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                                        Remaining Prior Application data removed -
NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Acomica Sequence Listing Engine
                                                                                                   PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
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CURRENT FILING DATE: 2001-05-25
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APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: ABOMICA-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
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ORGANISM: Homo sapiens
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APPLICATION NUMBER: US 60/236,359
FILING DATE: 2000-09-27
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APPLICATION NUMBER: PCT/US01/00667
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                                                                                                                                                                                                                                                                                                             FILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: PCT/US01/00666
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: PCT/US01/00665
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: PCT/US01/00668 FILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: PCT/US01/00663
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 731 CCTGGGTGCCTTCTGCA 747
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o. 6686188
                       6686188
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PENN, Sharron G. HANZEL, David K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Application US/09866108A
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Pred. No. 26;
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                                                                                    See
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               BB
                                                                                File Wrapper or PALM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 17;
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SOFTWARE: PatentIn version 3.1
SEQ ID NO 2
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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US-09-579-692B-2
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                                                                                                                         ; OTHER INFORMATION: Primer MLTr1 US-09-579-692B-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; ORGANISM: Homo sapiens US-09-866-108A-2842
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-433-699-12
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                                                                                                                                                                                                                                                                                                                                PATENT NO. 6689875
GENERAL INFORMATION:
APPLICANT: Vlaams Interuniversitair Instituut voor Biotechnol TITLE OF INVENTION: Molecular characterisation of chromosome TITLE OF INVENTION: and its correlation to carcinogenesis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQ ID NOS: 89
SEQ ID NO 12
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 0.6
Best Local Similarity 94.1
Matches 16; Conservative
                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
Matches 16; Conserv
                                                                         Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 2, Application US/09579692B Patent No. 6689875
                                                                                                                                                                                                                                                                                    FILE REFERENCE: PMA/MALT/V043; 2676-4090.1 CURRENT APPLICATION NUMBER: US/09/579,692B CURRENT FILING DATE: 2000-05-26 PRIOR ADDITORNOON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: C. Frank Bennett
APPLICANT: Lex M. Cowsert
TITLE OR INVESTIGATION: ANTISENSE MODULATION OF NUCLEOLIN EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Patent No. 616578
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence
                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: US 60/138,834 PRIOR FILING DATE: 1999-06-09 NUMBER OF SEQ ID NOS: 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION NUMBER: US/09/433,699B CURRENT FILING DATE: 1999-11-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILE REFERENCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1120 GATGGGTCCAGAAGAAG 1136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1974 GGCCTCCAGGATGAGGA 1990
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                                                            16;
                CCTTCTGCAACTTCAGC 755
CCTTCTGCAACTTCATC 17
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                                                            Conservative
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Pred. No. 32
                                                                         Score 15.4;
Pred. No. 32;
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Pred. No. 2
                                                              Mismatches
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                                                                                                                                                                                                                                          Sequence 543, Application US/08117952 Patent No. 5851760
                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
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GENERAL INFORMATION:
APPLICANT: Weber, James L.
                                                                                                                                                                                                                        Patent No. 5851760
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US 07/341,562
FILING DATE: 21-APR-1989
ATTORNEY/AGENT INFORMATION:
NAME: Sara, Charles S.
REGISTRATION NUMBER: 30,492
REFERENCE/DOCKET NUMBER: 09865.601
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 831-2100
TELEFAX: (608) 831-2106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                  APPLICANT: Evans, Glen A. APPLICANT: Smith, Michael W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                           CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CLONE: mfd56p1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE:
                                                                                                                                               TITLE OF INVENTION: METHOD FOR GENERATION OF SEQUENCE TITLE OF INVENTION: SAMPLED MAPS OF COMPLEX GENOMES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION DATA:
                                                                                                                              NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: (AC-dA)n. (AG-dT)n SEQUENCES AND METHODS OF USING
STATE: CA
COUNTRY: USA
ZIP: 90071
                                            STREET: 444 SOULD
CITY: Los Angeles
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE:
CLASSIFICATION: 435
                                                                     ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
STREET: 444 South Flower Street, Suite 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRANDEDNESS: double
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: Madison
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                                                                                                                                                                                                                                                                                                                                                                                        660 CTGGTGAAGACACACAACCT 679
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1: 20 base pairs nucleic acid
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8000 Excelsior Drive, Suite 401
                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
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Pred. No. 35;
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US-09-021-701-552/c
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                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Ve.
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/021,701
FILING DATE: 10-FEB-1998
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: Shanno
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: 619-546-9392
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STRANDEDNESS: 81
TOPOLOGY: linear
MOLECULE TYPE: 011
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
APPLICANT:
APPLICANT:
ATTORNEY/AGENT INFORMATION:
NAME: Chol, Wendy A.
REGISTRATION NUMBER: 36,697
REFERENCE/DOCKET NUMBER: 10:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: PatentIn Release #1.0, Version #1.
CURRENT APPLICATION NUMBER: US/08/117,952
APPLICATION NUMBER: US/08/117,952
FILING DATE: 07-SEP-1993
CLASSIFICATION: 435
PRIOR APPLICATION UNMBER: US 08/078,471
APPLICATION UNMBER: US 08/078,471
FILING DATE: 15-UN-1993
                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
ADDRESSEE: Records Manager,
STREET: 3000 Hanover Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HYPOTHETICAL:
ANTI-SENSE: 1
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES:
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                                                                                                                                                                                                                                                                                 CITY: Palo Alto
STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: Reiter, Stephen E.
REGISTRATION NUMBER: 31,192
REFERENCE/DOCKET NUMBER: P41
                                                                                                                                                                                                                                                ZIP: 94304
                                                                                                                                                                                                                                                                 COUNTRY:
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5. 6251588
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17; Conserv
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Delenstarr, Glenda C.
Webb, Peter G.
                                                                                                                                                                                                                                                                  USA
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VENTION: Methods for evaluating oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Shannon,
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                                                                                                                                                                                                                                                                                                                                                                       probe sequences
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 15.2;
Pred. No. 3
                                                                                                                                                                                                                                                                                                                                  Legal Department, Hewlett-Packard Company M/S
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                                                                                                                                                            Version #1.30
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TELEFAX: 650-852-8063
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs

552:

TELEPHONE:

650-236-2386

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; TOPOLOGY: lin.
; MOLECULE TYPE: (
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-09-021-701-552
                                                                    ; MOLECULE TYPE:
; HYPOTHETICAL: 1
; ANTI-SENSE: NO
US-09-021-701-553
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                                                                                                                                                                             TELEPHONE: 650-236-2386
TELEPAX: 650-852-8063
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 553, App. Sequence 553, App.
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Best Local Similarity 85.0%;
Matches 17; Conservative
                 Query Match
Best Local (
                                                                                                                                                                                                                                                         CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
ATTORNEY/AGENT INFORMATION:
NAME: Choi, Wendy A.
REGISTRATION NUMBER: 36,697
REFERENCE/DOCKET NUMBER: 1097
TELECOMPUNICATION INFORMATION:
TELEPHONE: 650-236-2386
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APPLICANT: Wolber, Paul K.
APPLICANT: Delenstarr, Glenda C.
APPLICANT: Webb, Peter G.
APPLICANT: Kincaid, Robert H.
TITLE OF INVENTION: Methods for evaluating oligonucleotide
TITLE OF INVENTION: probe sequences
NUMBER OF SEQUENCES: 1165
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                 Local Similarity
                                                                                                                                                    TYPE: nucleic acid
STRANDEDNESS: sing
                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US/0: FILING DATE: 10-FEB-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: Palo Alto
STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: '94304
                                                                                                                                    TOPOLOGY:
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STRANDEDNESS: single
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3000_Hanover Street
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85.0%;
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                 Score 15.2;
Pred. No. 3
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Pred. No. 3
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                                  DB 1;
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                                Length 20;
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RESULT 33
US-09-629-645A-101/c
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US-09-716-161A-59/c
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US-09-593-711A-18
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Sequence 101 Application US/09629645A PATENT NO. 6365354
GENERAL INFORMATION:
APPLICANT: C. Frank Bennett
APPLICANT: Jacqueline Wyatt
TITLE OF INVENTION: ANTISENSE MODULAT:
FILE REFERENCE: RTS-0137
                                                                                                                                                                                                                                                                                                                                                                                                           FILE REFERENCE: RTS-0176
CURRENT APPLICATION NUMBER: US/09/716,161A
CURRENT FILING DATE: 2000-11-07
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 59
LENGTH: 20
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence: 59, Application US/097161A
Patent No. 6355482
GENERAL INFORMATION:
APPLICANT: C. Frank Bennett
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF INTEGRIN BETA 4 BINDING PROTEIN EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQ ID NOS:
SEQ ID NO 18
LENGTH: 20
TYPE: DNA
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CURRENT APPLICATION NUMBER: US/09/593,711A
CURRENT FILING DATE: 2000-06-14
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TITLE OF INVENTION: ANTISENSE MODULATION OF C/EBP BETA EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Brett P. I
APPLICANT: Madeline M.
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                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: Antisense Oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                            0.6%;
Local Similarity 85.0%;
hes 17; Conservation
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                    MODULATION OF LYSOPHOSPHOLIPASE I EXPRESSION
                                                                                                                                                                                                                                                                                     Score 15.2;
Pred. No. 35;
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Pred. No. 3
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CURRENT FILING DATE: 2000-02-18
EARLIER APPLICATION NUMBER: US 09/143,214
EARLIER FILING DATE: 1998-08-28
EARLIER FILING DATE: 1998-07-07/US98/13961
EARLIER FILING DATE: 1998-07-07
EARLIER APPLICATION NUMBER: US 08/888,982
EARLIER APPLICATION NUMBER: US 08/756,806
EARLIER APPLICATION NUMBER: US 08/756,806
EARLIER FILING DATE: 1996-11-26
EARLIER FILING DATE: 1996-11-26
EARLIER FILING DATE: 1996-5-31
EARLIER APPLICATION NUMBER: US 08/250,856
EARLIER APPLICATION DATE: 1994-05-31
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Sequence 3356, Application US/09198452A
Patent No. 6559294
GENERRAL INFORMATION:
APPLICANT: Griffais, R.
TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, preve
TITLE OF INVENTION: and treatment of infection
FILE REFERENCE: 9710-003-999
CURRENT APPLICATION NUMBER: US/09/198,452A
CURRENT APPLICATION NUMBER: US/09/198,452A
CURRENT FILING DATE: 1998-11-24
NUMBER OF SEQ ID NOS: 6849
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQ ID NO 80
LENGTH: 20
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CURRENT FILING DATE: 2000-07-31
NUMBER OF SEQ ID NOS: 164
SEQ ID NO 101
LENGTH: 20
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TITLE OF INVENTION: Antisense Oligonucleotide Modulation of raf Gene Expression
FILE REFERENCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: artificial sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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Local Similarity 85.0%;
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Pred. No. 3
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Pred. No. 3:
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LENGTH: 20
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Best Local Similarity 85.0%;
Matches 17; Conservative
                                                                                         TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1

MEDIUM TYPE: storage

COMPUTER: IBM Compatible

OPERATING SYSTEM: IBM P.C. DO.

SOFTWARE: Word Perfect 5.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Patent No.
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TYPE: DNA
ORGANISM: Chlamydia pneumoniae
                         SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE; nucleic acid
STRANDEDNESS; single
                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/001,135
FILING DATE: July 13, 1995
APPLICATION NUMBER: 08/300,726
FILING DATE: September 2, 1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                        TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: Word Perfect
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Folkerts, Otto
APPLICANT: Merlo, Donald J.
TITLE OF INVENTION: COMPOSITION AND METHODS FOR
TITLE OF INVENTION: MODULATION OF GENE EXPRESSION
TITLE OF INVENTION: IN PLANTS
NUMBER OF SEQUENCES: 1263
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                                                                                               TELEFAX: 12-
TELEFAX: 67-3510
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                                                                                                             TELEPHONE: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
                                                                                                                                                                        NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 219/247
                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/08/679,645
FILING DATE: July 12, 1996
               TOPOLOGY:
                                                                                                                                                                                                                                                                                                                       CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ZIP: 90071-2066
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY:
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10. 635093
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               linear
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Pred. No. 3:
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Query Match

0.6%;

Score 15;

DB 1;

Length 17;

Best Local Similarity

86.7%;

Pred. No. 31;

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RESULT 37
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                                                                          Matches
                                                                                     Query Match
Best Local
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 bara ---
                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/001,135
FILING DATE: July 13, 1995
APPLICATION NUMBER: 08/300,726
FILING DATE: September 2, 1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                        NAME: Warburg, Richard J.
REGISTRATION NUMBER: 219,
REFERENCE/DOCKET NUMBER: 219,
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         tent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OPERATING SYSTEM: IBM P.C. SOFTWARE: Word Perfect 5.1 CURRENT APPLICATION DATA:
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TITLE OF INVENTION:
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STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
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                                                                                                                                                   STRANDEDNESS:
TOPOLOGY: lir
                                                                                                                                                                            TYPE: nucleic acid
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                                            778 AGAAGTTCCCAGGCA 792
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                                                                                        Similarity
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Skokut, ....
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633 West Fifth Street
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                                                                          Conservative
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                                                                                       0.6%;
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                                                                                       Score 15; DB
Pred. No. 31;
                                                                          Mismatches
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                                                                                                   Length 17;
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US-08-189,199A-5
; Sequence'5; Applica
; Patent No. 5449609
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                              US-09-213-719-65
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                                                                                                                                                                                                                                                                                        US-09-213-719-65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION:
NAME: Gaumond, Rebecca R.
REGISTRATION NUMBER: 35,152
REFERENCE/DOCKET NUMBER: CH-0.
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
TELEPAX: 215-564-3439
INFORMATION FOR SEQ ID NO: 5:
                                                                                        NUMBER OF SEQ ID NOS: 91
SEQ ID NO 65
LENGTH: 18
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 88.5
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                                                                                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                                                                          Sequence 65, Application US/09213719B Patent No. 6150162
Query Match
                                                                                                                                                                               APPLICANT: C. Frank Bennett
APPLICANT: Lex M. COWBERT
TITLE OF INVENTION: ANTISENSE MODULATION OF CD44 EXPRESSION
FILE REFERENCE: RTS-0006
                                                                                                                                                 CURRENT APPLICATION NUMBER: US/09/213,719B
CURRENT FILING DATE: 1998-12-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
                                         FEATURE: OTHER INFORMATION: Antisense Oligonucleotide
                                                                          ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Macklewicz and No. 5449609ris
STREET: One Liberty Place - 46th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Pleasure, David
TITLE OF INVENTION: Methods for Screening for Neurotoxicity
TITLE OF INVENTION: Using a Clonal Human Teratocarcinoma Cell Line
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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0.6%;
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Score 14.8;
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Pred. No. 3
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Length 18;
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RESULT 41
US-08-359-705B-22/c
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                                                                                                                                                                   Sequence 22, Application US/08359705B Patent No. 5844092
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Best Local Similarity
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Patent No. 6713247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
                                                                                                                                                     GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
                                       TITLE OF INVENTION: Human trk Receptors and Neurotrophic Factor Inhibitors NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
                                                                                              APPLICANT: Presta, Leonard G. APPLICANT: Shelton, David L. APPLICANT: Urfer, Roman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 86
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/711,628
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
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APPLICANT: Ray, Jasodhara
TITLE OF INVENTION: HUMAN CNS CELL LINES AND METHODS OF USE
TITLE OF INVENTION: THEREFOR
NUMBER OF SEQUENCES: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US/01
FILING DATE: 03-SEP-1996
CLASSIFICATION: 435
                                ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE:
                                                                                                                                                                                                                                                                                        993 ACCCTGCGGAACCGCAAG 1010
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South San Francisco
                                                                                                                                                                                                                                                                       AACCTGCAGAACCGCAAG 18
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                 E: Genentech, Inc.
1 DNA Way
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Pred. No. 37;
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RESULT 42
US-08-286-846A-22/c
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Best Local Similarity 88.9%;
Matches 16; Conservative
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GENERAL INFORMATION:
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FILING DATE: 20-Dec-1994
CLASSIFICATION: 424
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/286846
FILING DATE: 08/10/94
PRIOR APPLICATION DATA:
APPLICATION UMBER: 08/215139
FILING DATB: 03/18/94
APTORNEY/AGENT INFORMATION:
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INFORMATION FOR SEQ ID NO:
                APPLICATION NUMBER: US/08/286,846A
FILING DATE: 05-Aug-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAWS: TOICHLA, PhD., Timothy E.
REGISTRATION NUMBER: 36,700
REFERENCE/DOCKET NUMBER: P0873P1
                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: Nucleic Acid
STRANDEDNESS: Single
TOPOLOGY: 1.4-
359-77
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                                                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION: Human trk Receptors and Neurotrophic Factor Inhibitors NUMBER OF SEQUENCES: 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 19 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: ISM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
ELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                       STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
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Pred. No. 3
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TELEPHONE: TELEFAX:

415/952-9881

415/225-8674

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RESULT 43
US-08-457-880A-22/c
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US-08-457-880A-22
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INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                     TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                         NAME: Torchia, PhD., Timothy E.
REGISTRATION NUMBER: 36,700
REFERENCE/DOCKET NUMBER: P0873P1C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-8674
TELEPHONE: 650/225-8674
                                                                                                                                    SEQUENCE CHARACTERISTICS:
LENGTH: 19 base pairs
TYPE: Nucleic Acid
STRANDEDNESS: Single
                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb i
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/444,622
FILING DATE: 19-May-1995
APPLICATION NUMBER: 08/286846
                                                                                                                                                                                                                                                                                                               FILING DATE:
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: HUMAN trk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: David L. She
APPLICANT: Roman Urfer
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Local Similarity 88.9%;
                                                            Local
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TYPE: Nucleic Acid
STRANDEDNESS: Single
                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER:
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2124 CTCAGCCTTGGCCTGGAG 2141
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                                               l Similarity
16; Conserv
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                                               0.6%;
llarity 88.9%;
Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Shelton
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                                               Score 14.8; D
Pred. No. 39;
0; Mismatches
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Pred. No. 3
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                                                                             DB 1; Length 19;
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                                               Gaps
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RESULT 45
US-08-942-562-22/c
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                                                                                                                                                                                                                                                                                                                                                                                            0.6%;
Best Local Similarity 88.9%;
Matches 16; Conservative
                                                                                                                                                                                                   Patent No. 6027927
GENERAL INFORMATION:
                                                                                                                                                                                                                      Sequence 22, Application US/08942562 Patent No. 6027927
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 22, Application US/08444622A Patent No. 6025166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 5

ATTORNEY/AGENT INFORMATION:
NAME: TOTCHIA, PhD., Timothy I
NAME: TOTCHIA, PhD., 7100
REGISTRATION NUMBER: 36,700
REFERENCE/DOCKET NUMBER: P087
TELECOMMUNICATION INFORMATION:
TELECHONE: 650/225-8674
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[NFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                             APPLICANT: Presta, Leonard G. APPLICANT: Shelton, David L. APPLICANT: Urfer, Roman
                                                                                        TITLE OF INVENTION: Human trk Receptors and Neurotrophic TITLE OF INVENTION: Factor Inhibitors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/286846
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION UNMER: US/08/444,
FILING DATE: 19-May-1995
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MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Leonard G. Presta
APPLICANT: David L. Shelton
APPLICANT: Roman Urfer
TITLE OF INVENTION: HUMAN trk RECEPTORS AND NEUROTROPHIC FACTOR INHIBITORS
NUMBER OF SEQUENCES: 41
                                                                      CORRESPONDENCE ADDRESS
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                                    STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: Nucleic Acid
                                                     ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STRANDEDNESS:
TOPOLOGY: Lii
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South San Francisco 
California
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                                  E: Genentech, Inc.
460 Point San Bruno Blvd
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Linear
                                                     Genentech,
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Pred. No. 3
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RESULT 46
US-09-156-923-22/c
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Best Local Similarity
Matches 16; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 22, Application US/09156923 Patent No. 6153189
          CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/359,705
FILING DATE: 20-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/286846
FILING DATE: 10-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/215139
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
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FILING DATE: 19-May-1995
ATTORNEY/AGENT INFORMATION:
NAME: TOTCHLA, PhD., Timothy E.
REGISTRATION NUMBER: 36,700
REFERENCE/DOCKET NUMBER: P0873P1C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-8674
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOSTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/156,923
FILLING DATE: 18-SEP-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: Human trk Receptors and Neurotrophic Factor Inhibitors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Presta, Leonard G. APPLICANT: Shelton, David L. APPLICANT: Urfer, Roman
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FILING DATE: 01-OCT-1997
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: Knobbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: Nucleic Acid
STRANDEDNESS: Single
                                                                                                                                                                                                                                                                                                                                                              COUNTRY: U
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY:
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TELEX: 910/371-7168
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18-MAR-1994
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Pred. No. 39;
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RESULT 48 US-09-218-207-476

Sequence 476, Application US/09218207 Patent No. 6346381 GENERAL INFORMATION:

APPLICANT: Cohen, Daniel APPLICANT: Blumenfeld, Marta APPLICANT: Ilya, Chumakov

Bougueleret, Lydie

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Query Match
Best Local Similarity
Thes 16; Conserve
                                  S
                                                                                                                                   ; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1..19
; OTHER INFORMATION: microsequencing oligo for 99-140-130.mis1
US-09-338-907-476
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
APPLICANT: Cohen, Daniel
APPLICANT: Blumenfeld, Marta
APPLICANT: 1lya, Chumakov
APPLICANT: Bougueleret, Lydie
TITLE OF INVENTION: PROSTATE CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 47
US-09-338-907-476
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                                                                                                                                                                                                                                                                                            EARLIER APPLICATION NUMBER: 08/996,306
EARLIER FILING DATE: 1997-12-22
EARLIER APPLICATION NUMBER: 60/999,658
EARLIER FILING DATE: 1998-09-09
EARLIER APPLICATION NUMBER: 09/218,207
EARLIER FILING DATE: 1998-12-22
NUMBER OF SEQ ID NOS: 578
SOFTWARE: Patent.pm
                                                                                                                                                                                                                                                             SEQ ID NO 476
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 0.6%;
Best Local Similarity 88.9%;
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 476, Application US/09338907
Patent No. 6265546
                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/09/338,907
CURRENT FILING DATE: 1999-06-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILE REFERENCE: GENSET.18CP1CP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: 949/760-9502 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                               TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS:
LENGTH: 19 base pairs
TYPE: Nucleic Acid
STRANDEDNESS: Single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELECOMMUNICATION INFORMATION: TELEPHONE: 949/760-0404
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Dreger, Ginger
REGISTRATION NUMBER: 33,055
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY:
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                                  424 AAAAGCAGCTACAGGTCA 441
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2 AAAAGCAGCTACAGACCA 19
                                                                     Conservative
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                                                                                    0.6%;
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                                                               Score 14.8; D
Pred. No. 39;
0; Mismatches
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Pred. No. 39;
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                                                                                                    DB 1; Length 19;
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TITLE OF INVENTION: Prostate cancer gene

GENSET.018CP1

FILE REFERENCE:

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; ORGANISM: Triticum aestivum
US-08-983-605-55
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                                                                                                                                                                                                                               US-09-696-791-2171/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: Microsatellite Markers for Plants of the Species
TITLE OF INVENTION: Triticum Aestivum and Tribe Triticase and the Use
TITLE OF INVENTION: Said Markers
FILE REFERENCE: 2936.10400
CURRENT APPLICATION NUMBER: US/08/983,605A
CURRENT FILING DATE: 1998-05-01
EARLIER APPLICATION NUMBER: DE 195 25 284.5
EARLIER APPLICATION WHERE: DE 195 25 284.5
EARLIER FILING DATE: 1995-06-28
NUMBER OF SEQ ID NOS: 466
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 55
LENGTH: 19
GENERAL INFORMATION:
APPLICANT: Robbins, Joan M.
APPLICANT: Tritz, Richard
TITLE OF INVENTION: RIBOZYME THERAPY FOR THE TREATMENT OF
TITLE OF INVENTION: SKIN AND EYE DISEASES
FILE REFERENCE: 480124.407
CURRENT APPLICATION NUMBER: US/09/696,791
CURRENT FILING DATE: 2000-10-25
NUMBER OF SEQ ID NOS: 4523
                                                                                                                                                                                    Sequence 2171, Application US/09696791 Patent No. 6770633
                                                                                                                                                                                                                                                                                                                                                                                                    Matches
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Best Local Similarity
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APPLICANT: Roder, Marion
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CURRENT FILING DATE: 1998-12-22
EARLIER APPLICATION NUMBER: 08/996,306
EARLIER FILING DATE: 1997-12-22
EARLIER APPLICATION NUMBER: 60/099,658
EARLIER FILING DATE: 1998-09-09
NUMBER OF SEQ ID NOS: 578
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NAME/KEY: misc feature
LOCATION: 1..19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Homo Sapiens
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                                                                                                                                                                                                                                                                                                                                            1918 ATCTCCCTTCTGCCACCC 1935
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                                                                                                                                                                                                                                                                                                                                                                                                  0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                     Score 14.8;
Pred. No. 39
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Pred. No. 3
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                                                                                               US-08-464-514-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 51
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                               Query Match
Best Local S
Matches 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local S
Matches 16
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SEQ ID NO 2171
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Patent No.
                                                                                                                                                                                     TELEFAX: (619) 546-9392
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                  NAME: Reiter, Stephen E.
REGISTON NUMBER: 31192
REFERENCION NUMBER: P4
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 546-437
                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy COMPUTER: IBM PC COM
                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOTTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         _ENGTH::19
                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                   FILING DATE: ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: MULTIMERIC FORMS OF MEMBERS OF THE TITLE OF INVENTION: STEROID/THYROID SUPERFAMILY OF RECEPTORS WITH TITLE OF INVENTION: ULTRASPIRACLE RECEPTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
                               Local Similarity
                                                                                                                        LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US/08/464,514
FILING DATE:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CITY: Los Angeles
STATE: California
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nes 16; Conserv
                                                                                                            TOPOLOGY:
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 AGGTGGCAGGAGGTCA 602
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           E: PRETTY, SCHROEDER, BRUEGGEMANN & CLARK 444 South Flower Street, Suite 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MCKEOWN, MICHAEL B. ORO, ANTHONY E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       YAO, TSO-PANG
                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              United States
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EVANS, RONALD M.
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                                                                                                            linear
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                                              0.6%; Score 14.4;
93.8%; Pred. No. 3
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Pred. No. 39;
0; Mismatches
                                Mismatches
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                                                                B
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                                                              Length 16;
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                                Gaps
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RESULT 53
US-07-672-530C-39
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Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                                                      Sequence 39, Application US/07672530C Patent No. 6492137
                                                                                                                                                                                     GENERAL INFORMATION:
APPLICANT: SUCOV, HENRY M
APPLICANT: EVANS, RONALD M
APPLICANT: EVANS, RONALD M
APPLICANT: UMESONO, KAZCHIKO
TITLE OF INVENTION: RESPONSE ELEMENT COMPOSITIONS
FILE REFERENCE: 088802/1552
CURRENT APPLICATION NUMBER: US/07/672,530C
CURRENT FILING DATE: 1991-03-19
PRIOR APPLICATION NUMBER: 07/438,757
PRIOR FILING DATE: 1989-11-16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEPHONE: (619) 546-4737
TELEFAX: (619) 546-9392
INFORMATION FOR SEQ ID NO: 9:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/907,908
FILLING DATE: 02-JUL-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     REGISTRATION NUMBER: 31192
REFERENCE/DOCKET NUMBER: P41 9321
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: SEGRAVES, WILLIAM A.
APPLICANT: YAO, TSO-PANG
TITLE OF INVENTION: MULTIMERIC FORMS OF ME
TITLE OF INVENTION: STEROID/THYROID SUPERE.
TITLE OF INVENTION: ULTRASPIRACLE RECEPTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Reiter,, Stephen E. REGISTRATION NUMBER: 3119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                           587 AGGTGGCAGGAGGTCA 602
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: California
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                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                linear
                                                                                                                                                                                                                                                                                                                                                                                                                             0.6%; Score 14.4;
93.8%; Pred. No. 39;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SCHROEDER,
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                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
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et, Suite 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB
                                                                                                  AND ASSAYS EMPLOYING
                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 16;
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RESULT 55
US-08-758-306-147/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION NUMBER: US/09/479,005A
CURRENT FILING DATE: 2000-01-07
PRIOR APPLICATION NUMBER: US 09/444,209
PRIOR FILING DATE: 1999-11-19
PRIOR APPLICATION NUMBER: US 09/159,274
PRIOR APPLICATION NUMBER: US 60/059,473
PRIOR PILING DATE: 1998-09-22
PRIOR FILING DATE: 1997-09-22
PRIOR FILING DATE: 1997-09-22
NUMBER OF SEQ ID NOS: 1208
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LENGTH: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
TITLE OF INVENTION: Nucleic Acid Catalysts with Endonuclease Activity
FILE REFERENCE: MBHB00-884-C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 39
LENGTH: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 1, Application US/09479005A Patent No. 6656731
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local :
                                                                                                                                  APPLICANT: Stinchcomb, Dan T.
APPLICANT: McSwiggen, James A.
TITLE OF INVENTION: METHOD AND
TITLE OF INVENTION: TRANTMENT C
TITLE OF INVENTION: ASSOCIATED
TITLE OF INVENTION: INTERLEUKIN
                                                                                                                                                                                                                                                        GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQ ID NOS: 51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: PatentIn version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: RNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: Description of Artificial Sequence: OTHER INFORMATION: Oligonucleotide; DNA response element
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Artificial Sequence FEATURE:
                                                                                   TITLE OF INVENTION: GANUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA
                                STREET: 633 West F
STREET: Suite 4700
                                                                      ADDRESSEE:
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nes 15; Conserv
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5. 5807743
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15; Conserv
Los Angeles
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                                               3: Lyon & Lyon
633 West Fifth Street
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                                                                                                                           GAMMA-CHAIN EXPRESSION
                                                                                                                                          ASSOCIATED WITH INTERLEUKIN-2 R
                                                                                                                                                                            TREATMENT OF DISEASES
                                                                                                                                                                                             n, James A.
METHOD AND REAGENT FOR
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93.8%; Pred. No. 39
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Pred. No. 3
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COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage

90071-2066

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                   PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: PCT/US01/00665
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Best Local S
Matches 15
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SENERAL INFORMATIO
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                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS
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NAME: WAYDUTG, RICHARD J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 212/
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEPAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                  FILE REFERENCE: AEOMICA-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
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APPLICANT: JI, Yongga
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OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/758,306
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PRIOR APPLICATION DATA:
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TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: December 3, 1996
                                                                                                                                                                                                            PILING DATE: 2000-09-27
APPLICATION NUMBER: PCT/US01/00666
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1379 GGTCCTGGAGGTGAAC 1394
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2001-01-30
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                                        Query Match
Best Local Similarity
Matches 15; Conserve
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-799
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; SEQ ID NO 798
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
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                                                                                                                                                                                                          Patent No. 66
SEQ ID NO 799
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Best Local &
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Mensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: ABOMICA-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 799,
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                                                                                                                                                                                                                                               SOFTWARE: Aeomica Sequence Listing Engine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
                                                                                                                                                                                                                                                              Remaining Prior Application data removed NUMBER OF SEQ ID NOS: 15755
                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: PCT/US01/00668 PRIOR FILING DATE: 2001-01-30
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PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION NUMBER: US/09/866,108A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: Aeomica Sequence Listing Engine
                                                                                                                                                                                                                                                                                                                                                                               PRIOR FILING DATE: 2001-01-30
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Local Similarity 93.8%;
nes 15; Conservative
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APPLICATION NUMBER: PCT/US01/00664
1400 CAGCCTTCGGGGCCAA 1415
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                                                          Conservative
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Pred. No. 41
                                                                           Score 14.4;
Pred. No. 4:
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                                                            Mismatches
                                                                                                                                                                                                                                                                                  See File Wrapper
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Best Local S
Matches 15
                                                                                                                                                                                            Sequence 1295, Application US/09866108A Patent No. 6686188 GENERAL INFORMATION:
                          APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David K.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Aeomica Sequence Listing Engine Patent No. 6686188
SEQ ID NO 1294
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APPLICANT: GU, Yizhong
APPLICANT: JI, Yongga
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Patent No. 6686188
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CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR TILING DATE: GB 24263.6
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PRIOR APPLICATION NUMBER: US 60/236,359
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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
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ORGANISM: Homo sapiens
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APPLICATION NUMBER: PCT/US01/00667
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NUMBER: US/09/866, 108A
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Pred. No. 41;
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RESULT 60
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                                                                               PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR PILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
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PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: PCT/US01/00669
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PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR TILING DATE: 2000-05-26
PRIOR PPLICATION NUMBER: GB 24263.6
PRIOR PPLICATION NUMBER: GB 06/236,359
PRIOR PPLICATION NUMBER: US 60/236,359
PRIOR PPLICATION NUMBER: US 60/236,359
PRIOR PILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/USO1/00666
PRIOR APPLICATION NUMBER: PCT/USO1/00667
PRIOR APPLICATION NUMBER: PCT/USO1/00667
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APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharry
APPLICANT: HANZEL, David
APPLICANT: RANK, David
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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: ABOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT FILLING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
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PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
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PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
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Local Similarity 93.8%;
les 15; Conservative
                                          APPLICATION NUMBER: PCT/US01/00665
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NUMBER: PCT/US01/00668
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Pred. No. 41
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Best Local Similarity
Wardhes 15; Conserve
                                                                                                        ; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-2022
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; ORGANISM: Homo sapiens
US-09-866-108A-2020
                                 Query Match
Best Local Similarity
Matches 15; Conserv
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SEQ ID NO 2020
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NUMBER OF SEQ ID NOS: 15755
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PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
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PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
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APPLICANT: JI, Yonggang
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PPLICANT: CHEN, Wensheng
PPLICANT: SHANNON, Mark
ITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART
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APPLICATION NUMBER: PCT/US01/00663
FILING DATE: 2001-01-30
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DATE: 2001-01-30
                                   Conservative
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Pred. No. 4
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US-09-866-108A-2843
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; ORGANISM: Homo sapiens
US-09-866-108A-2841
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SEQ ID NO 2841
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Best Local Similarity
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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEDMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT FILING DATE: 2001-05-25
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PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: PCT/US01/00666
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FILING DATE: 2001-01-30
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o. 6686188
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T: HANZEL, David K.
T: RANK, David R.
T: CHEN, Wensheng
T: SHANNON, Mark
INVENTION: MYOSIN-LIKE GENB EXPRESSED
SRENCE: AEOMICA-7
                                                                                                                                                                                                                                                                                               2 GGCCTCGAGGATGAGG 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             JI, Yonggang
PENN, Sharron
HANZEL, David
                                                                                                          JI, Yonggang
PENN, Sharron
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Pred. No. 41;
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                   IN HUMAN HEART AND MUSCLE
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CURRENT APPLICATION NUMBER: US/09/866,108A

2001-05-2

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APPLICANT: SHANNON, MARK
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN
FILE REFERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT FILING DATE: 2001-05-25
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: BCT/US01/00666
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Best Local Similarity
Whiches 15; Conserva
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; ORGANISM: Homo sapiens
US-09-866-108A-2843
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SEQ ID NO 2843
LENGTH: 17
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PRIOR FILING DATE: 2000-05-26
PRIOR PPLICATION NUMBER: GB 24263.6
PRIOR PLING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PILING DATE: 2000-09-27
PRIOR PPLICATION NUMBER: PCT/US01/00666
PRIOR PPLICATION NUMBER: PCT/US01/00667
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PRIOR PILING DATE: 2001-01-30
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Patent No. 6686188
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PRIOR APPLICATION NUMBER: PCT/US01/00663
                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
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APPLICANT: JI, Yongga
APPLICANT: PENN, Shar
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                                                                                 FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00664
                                                                                                                         APPLICATION NUMBER: PCT/US01/00667
                                                                                                                                                  FILING DATE: 2001-01-30
                                                                    FILING DATE:
                          FILING DATE
                                            APPLICATION NUMBER:
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PENN, Sharron G.
HANZEL, David K.
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ilarity 93.8%;
Conservative
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: 2001-01-30
NUMBER: PCT/US01/00665
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Pred. No. 4:
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Matches Query Match

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Conservative

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Local Similarity

93.8%;

Score 14.4; D Pred. No. 41; 0; Mismatches

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US-09-866-108A-6609
                                                           SOFTWARE: Aeomi
SOFTWARE: Aeomi
Patent No. 66861
SEQ ID NO 6609
                                                                                                                                                                                                                                            PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
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US-09-866-108A-6609/c
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LENGTH: 17
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Best Local
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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: ABOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
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                                                                                                                                                        Remaining Prior Application data removed - NUMBER OF SEQ ID NOS: 15755
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APPLICANT: JI, Yongga
                                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: PCT/US01/00663
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           TYPE: DNA
ORGANISM: Homo sapiens
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NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Aeomica Sequence Listing Engine
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PRIOR TILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
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o. 6686188
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HANZEL, David K.
RANK, David R.
CHEN, Wensheng
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Pred. No. 41
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US-09-177-359-15/c
                                                                         Sequence 15, Application US/09177359B Patent No. 6183963
GENERAL INFORMATION:
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Best Local :
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GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                      Matches
APPLICANT: SINNETT, Daniel
APPLICANT: LABUDA, Damian
TITLE OF INVENTION: DETECTION OF CYPIAL, CYP3A4, CYP2D6 AND
TITLE OF INVENTION: NAT2 VARIANTS BY PCR-ALLELE-SPECIFIC OLIGONUCLEOTIDE (ASO)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
ATTORNSY/AGENT INFORMATION:
ANAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 212/132
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEPHONE: (213) 489-1600
TELEPHAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
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TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
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STREET: Suite 4700
CITY: Los Angeles
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OPERATING SYSTEM: IBM P.C. DOS 5.0 SOPTWARE: PastSeq Version 1.5 CURRENT APPLICATION DATA:
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PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION:
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                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: December 3, 1996
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633 West Fifth Street
                                                                                                                                                                                                                                                                                    Conservative
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US-08-974-549A-479
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; Sequence 46, Application US/09474922A
; Patent No. 6187586
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                                                                                                                                                                                                                                     Sequence 479, Application US/08974549A Patent No. 6166178
                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
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SEQ ID NO 46
LENGTH: 18
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LENCYH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
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Best Local Similarity
                                                                                                                                                                                                      GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: ANTISENSE MODULAT: FILE REFERENCE: RTS-0036 CURRENT PEPLICATION NUMBER: US/09/474,922A CURRENT FILING DATE: 1999-12-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/09/177,359B
CURRENT FILING DATE: 1998-10-23
NUMBER OF SEO ID NOS: 37
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: Antisense Oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE:
                                                                                                                            APPLICANT:
                                                              CORRESPONDENCE ADDRESS:
                                                                                          APPLICANT: Andrews, William H.
IITLE OF INVENTION: Human Telomerase Catalytic Subunit
                                                                                                                                                          APPLICANT:
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                                                                             TUMBER OF SEQUENCES:
                                                                                                                                                                                       APPLICANT:
                               ADDRESSEE:
STREET: T
                  CITY:
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San Francisco
: California
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                                                                                                                         Nakamura, Toru
Chapman, Karen B.
Morin, Gregg B.
Harley, Calvin B.
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                             E: Townsend and Townsend and Crew LLP Two Embarcadero Center, Eighth Floor
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                                                                                                                                                                                                                                                                                                                                                                                               Conservative
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Pred. No. 44;
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; Sequence 246, Application US/08912951
; Patent No. 6475789
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                                  RESULT 70
US-08-912-951-246
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                                                                                                                                                                           Matches
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
ATTORNEY/AGENT INFORMATION:
NAME: Apple, Randolph Ted
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002610US
                                                                                                                                                                                                                                                                                                                                TOPOLOGY: 1
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: 1
FILING DATE: 09-MAY-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION NUMBER: US/08/9/4, January 19-NOV-1997
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: US/08/724,643
                                                                                                                                                                                                                                                                                                                     FEATURE:
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FILING DATE: 14-AUG-
PRIOR APPLICATION DATA:
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APPLICATION NUMBER:
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                                                                                                                                                                                                                                                         NAME/KEY: -
LOCATION: 1..17
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US 08/915,503 FILING DATE: 14-AUG-1997
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                      145 AGCCCTGGCCCCGG 158
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                                                                                                       AGCCCTGGCCCCGG 14
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18-APR-1997
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14-AUG-1997
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09-MAY-1997
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14-AUG-1997
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                                                                                                                                                                                                                                                           /note= "Nam2 primer"
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/
FILING DATE: 25-APR-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US
FILING DATE: 18-APR-15
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US
APPLICATION NUMBER: US
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LENGTH: 17 base pairs
TYPE: nucleic acid
                                                                                                                                                MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
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APPLICATION NUMBER: 1
FILING DATE: 06-MAY-
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MEDIUM TYPE: Floppy
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ADDRESSEE: Townsend
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                                                                                                                                                                             STRANDEDNESS:
                                                                                                                                                                                                                                                                                                              REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002600US
                                                                                                                                                                                                                                                                                                                               NAME: Apple, Rando. REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 01 CLASSIFICATION:
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STATE: California
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                           145 AGCCCTGGCCCCGG 158
                                                              14;
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                                                                              Similarity
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Two Embarcadero Center, 8th Floor
                                                              Conservative
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Harley, Calvin
Andrews, William H.
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Nakamura, Toru
Chapman, Karen B.
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01-OCT-1996
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18-APR-1997
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06-MAY-1997
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                                                                              100.0%;
                                                                            0.6%; Score 14; DB 1;
100.0%; Pred. No. 50;
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                                                              Mismatches
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LOCATION: 1..17
OTHER INFORMATION: /note= "Nam2 primer"
SEQUENCE DESCRIPTION: SEQ ID NO: 479:
US-09-402-1818-479
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Query Match 0.6%; Score 14; DB 1; Best Local Similarity 100.0%; Pred. No. 50; Matches 14; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                        TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 479:
                                                                                                                                                                                                                                                                                                                                                                            NAME: Ausenhus, Scott L.
REGISTRATION NUMBER: 42,271
REPERENCE/DOCKET NUMBER: 015389-002620US
TELECOMMUNICATION INFORMATION:
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MEDIUM TYPE: Floppy disk
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APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-0CT-1996
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
                                                                                                                                                                                                      MOLECULE TYPE: DNA
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TITLE OF INVENTION: Human Telomerase Catalytic Subunit
                                                                                                                                                                                   FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US 08/915,503
                                                                                                                                                                                                                                         TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                               LENGTH: 17 base pairs
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                                                                                                                                                                  NAME/KEY:
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APPLICATION NUMBER: US 08/911,312
TILING DATE: 14-AUG-1997
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RPHICATION NUMBER: US 08/854,050
PHICATION DATE: 09-MAY-1997
PHICAGO DATE: 09-MAY-1997
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ILING DATE: 06-MAY-1997
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Morin, Gregg B.
Harley, Calvin B.
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RESULT 72
US-09-721-456-479
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GENERAL INFORMATION:
                                                                                     INFORMATION FOR SEQ ID NO: 479: SEQUENCE CHARACTERISTICS:
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                                                                                                                                               ATTORNEY/AGENT INFORMATION:

NAME: Apple, Randolph Ted
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002610US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/721,456
FILING DATE: 22-No. 6617110-2000
CLASSIFICATION: UNknown>
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Andrews, William H.
TITLE OF INVENTION: Human Telomerase Catalytic Subunit
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                LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AGCCCTGGCCCCGG 14
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/08/974,549A FILING DATE: 19-NOV-1997 APPLICATION NUMBER: US 08/724,643
                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: WO PCT/US97/17885 FILING DATE: 01-OCT-1997
                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US 08/915,503
FILLING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US 08/912,951 FILING DATE: 14-AUG-1997
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US 08/846,017 FILING DATE: 25-APR-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US 08/844,419 FILING DATE: 18-APR-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 14-AUG-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US 08/911,312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US 08/854,050 PILING DATE: 09-MAY-1997
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                                                                                                                               ELEFAX: (415) 576-0300
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Nakamura, Toru
Chapman, Karen B.
Morin, Gregg B.
Harley, Calvin B.
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linear
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RESULT 74
US-09-866-108A-1535
; Sequence 1535, Application US/09866108A
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COTHER INFORMATION: /note= "Nam2 primer";
SEQUENCE DESCRIPTION: SEQ ID NO: 479;
US-09-721-456-479
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                                                                                                                                                     Query Match
Best Local S
Matches 14
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SEQ ID NO 1534
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
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APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron
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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED
                                                                                                                                                                                                                              TYPE: DNA ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                  ENGTH: 17
                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: PCT/US01/00663
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FILING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00667
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APPLICATION NUMBER: PCT/US01/00666
FILING DATE: 2001-01-30
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                                                                                                                                                  14;
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RANK, David R.
CHEN, Wensheng
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100.0%; Pred. No.
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Pred. No.
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APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANKON, MARK
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN
FILE REFERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN
FILE REFERENCE: AEOMICA-7
ICURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00664
                                                                                                                                                                                                                                               ; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: HONG, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
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US-09-866-108A-1536
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-1535
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SOFTWARE: Acomi
Patent No. 66861
; SEQ ID NO 1535
FUNCTH: 17
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PRIOR FILING DATE: 2001-01-30
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PRIOR APPLICATION NUMBER: PCT/US01/00668
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
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APPLICATION NUMBER: US 60/236,359
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PENN, Sharron G.
PENN, David K.
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RANK, David R.
CHEN, Wensheng
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; Pred. No.
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; ORGANISM: Homo sapiens
US-09-866-108A-1536
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Patent No. 6686188
SEQ ID NO 1536
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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
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PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2000-09-27
Remaining Prior Application data removed - NUMBER OF SEQ ID NOS: 15755
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nes 14; Conservative
                                                                                                                      FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00669
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00665
FILING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00664
FILING DATE: 2001-01-30
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                                            FILING DATE: 2001-01-30
                                                              FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00663
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APPLICATION NUMBER: PCT/US01/00669
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        G DATE: 2001-01-30
CATION NUMBER: PCT/US01/00668
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PENN, Sharron G. HANZEL, David K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Application US/09866108A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Yonggang
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Pred. No.
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50;
                    See File Wrapper or PALM.
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-1537
                                                                                                                         US-08-129-719-18
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                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 18, Applicat Patent No. 5556755
GENERAL INFORMATION:
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Best Local (
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SEQ ID NO 1537
                                                           Matches
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                                                                                                                                                                                                                                                                                                          TELEFAX: (716) 849-0349 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                    FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: Wordperfect for Windows CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/129,719
FILING DATE: September 29, 1993
ATTORNEY/AGENT INFORMATION:
NAME: Nelson, M. Bud
                                                                                                                                                                                                                                ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: 11
TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES:
                                                                                                                                  LOCATION: CD gene region, 1048-1064
IDENTIFICATION METHOD: by experiment
OTHER INFORMATION: hybridizes to Branhamella catarrhalis gene region
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MEDIUM TYPE: Diskette, 3.5 inch, 720 to buckyo

MEDIUM TYPE: Diskette, 3.5 inch, 720 to buckyo

COMPUTER: IBM Compatible

OPERATING SYSTEM: MS-DOS/ Microsoft Windows 3.1
                                                           Local Similarity 88.2
                                                                                                                                                                                               ORGANISM: Brai
STRAIN: 25240
                                                                                                                                                                                                                                                                           TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                      REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STATE:
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TOPOLOGY: li
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                             1327 TGGTGAAGCTCTTCGAC 1343
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New York: United States
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                                                                                                                                                                                                                                                linear
                                                                                                                                                                                                                                                                                                                                                         (716) 856-4000
                                                                                                                                                                                                                                                             single-stranded
                                                                        88.2%;
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100.0%; Pred. No.
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                                                                           Score 13.8;
Pred. No. 5
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                                                           Mismatches
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RESULT 78 US-08-306-871-18/c ; Sequence 18, Application US/08306871

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US-08-569-959-18/c
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Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: Timothy F. Murphy
TITLE OF INVENTION: Vaccine For Branhamella catarrhalis
NUMBER OF SEQUENCES: 52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: (716) 849-0349
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.5 inch, 1.4 Mb storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS/ Microsoft Windows 3.1
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/129,719
FILING DATE: September 29, 1993
ATTORNEY/AGENT INFORMATION:
NAME: Nelson, M. Bud
                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
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REFERENCE/DOCKET NUMBER: 11520.0053
TELECOMMUNICATION INFORMATION:
TELEPHONE: (716) 856-4000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OPERATING SYSTEM: MS-DOS/ Microsoft Windows 3.1
SOFTWARE: Wordperfect for Windows 5.1
CURRENT APPLICATION DATA:
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MEDIUM TYPE: Diskette, 3
COMPUTER: IBM Compatible
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LOCATION: CD gene region, 1048-1064 IDENTIFICATION METHOD: by experiment OTHER INFORMATION: hybridizes to Br
                                                                                                COUNTRY:
                                                                                                                                                      STREET:
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TYPE: nucleic acid
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                                                                                                                   ITY: Buffalo
TATE: New York
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                                                                               RY: United States
14203-2391
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1800 One M&T Plaza
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1800 One M&T Plaza
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VENTION: Vaccine For Branhamella catarrhalis
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hybridizes to Branhamella catarrhalis gene region
                                                                                                                                                                   Russ, Andrews,
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Pred. No. 54;
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Query Match
Best Local Similarity
Marches 15; Conserve
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US-08-985-162-52/c
; Sequence 52, App.
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APPLICANT: Fell, Patric:
APPLICANT: McSwiggen, J.
TITLE OF INVENTION: OF I
TITLE OF INVENTION: TO I
TITLE OF INVENTION: FACT
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
                                                                              MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FASTSEQ for Windows 2.0
CURRENT APPLICATION DATA:
                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                       ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth S
STREET: Suite 4700
CITY: Los Angeles
STATE: California
 PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FEATURE:
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APPLICATION NUMBER: US/08/569,959
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TELECOMMUNICATION INFORMATION:
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                                 CLASSIFICATION:
                                               APPLICATION NUMBER: US/08/985,162
FILING DATE: 04 December 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LOCATION: CD gene region, 1048-1064
IDENTIFICATION METHOD: by experiment
OTHER INFORMATION: hybridizes to Branhamella
OTHER INFORMATION: catarrhalis gene region
                                                                                                                                                                                                             COUNTRY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE:
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                                                                                                                                                                                                                                                                                                                                         ENZYMATIC NUCLEIC ACID TREATMENT
OF DISEASES OR CONDITIONS RELATED
TO LEVELS OF EPIDERMAL GROWTH
FACTOR RECEPTORS
60/036,476
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Pred. No. 54;
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US-08-584-040-7266/c
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Best Local Similarity
Matches 15; Conserv
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                                                                   APPLICATION NUMBER: US/08/584,040
FILING DATE: January 11, 1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/005,974
FILING DATE: October 26, 1995
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/064
TELECOMMUNICATION INFORMATION:
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INFORMATION FOR SEQ ID NO:
NFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: ESCOBEDO, JAINE
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: TREATMENT OF DISEASES OR
TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 230/107
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEPAX: (213) 955-0440
                                                                                                                                                                                                                                                                                 OPERATING SYSTEM: IBM P.C. DOS 5.0 SOFTWARE: Word Perfect 5.1 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATTORNEY/AGENT INFORMATION:
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STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY: U.S.A. ZIP: 90071-2066
                                     TELEPHONE: (213) 489-16
TELEFAX: (213) 955-0440
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                       67-3510
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633 West Fifth
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Stinchcomb, Dan T.
Escobedo, Jaime
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                                                             489-1600
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Pred. No. 54;
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                                 Query Match
Best Local S
Matches 11
                                                                                                          TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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                                                                                                                                                                                                                                                                                                CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/005
FILING DATE: October 26, 1
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOTTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                   NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
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TITLE OF INVENTION:
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                                 Local Similarity
                                                                                                                                                                                                      TELEPHONE: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US/08/584,040 FILING DATE: January 11, 1996
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STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY: U.S.A. ZIP: 90071-2066
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Local Similarity 88.2%;
Les 15; Conservative
   613 GAAACTGGGCTGTGGG
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Stinchcomb, Dan T.
                                   Conservative
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                                                0.6%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          METHOD AND REAGENT FOR
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                                                                                                                                                                                                                                                                                                                                               60/005,974
   629
                                 Score 13.8; D
Pred. No. 54;
4; Mismatches
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Pred. No. 54;
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; ORGANISM: Homo sapiens
US-09-474-432B-322
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-371-772B-3075/c
Query Match
Best Local Similarity
                                                                                                                                          SOFTWARE: PatentIn version 3.0
SEQ ID NO 3075
LENGTH: 17
                                                                        ORGANISM: Mus sp. -09-371-772B-3075
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
                                                                                                                                                                                                                                                                                                                           APPLICANT: Escobedo, Jaime TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions ReTITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor FILE REFERENCE: MBHB00, 876-J (237/198) CURRENT APPLICATION NUMBER: US/09/371,772B CURRENT FILING DATE: 1999-08-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
                                                                                                                                                                                                                                                     PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR FILING DATE: 1995-10-26
PRIOR APPLICATION NUMBER: US 08/584,040
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                                                                                                                                                                                                              PRIOR FILING DATE: 1996-01-08
NUMBER OF SEQ ID NOS: 14225
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Ribozyme Pharmaceuticals, Inc. APPLICANT: Pavco, Pam APPLICANT: McSwiggen, Jim
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PRIOR PILING DATE: 1997-11-05
PRIOR PPLICATION NUMBER: US 60/084,727
PRIOR PILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: US 09/186,675
PRIOR PILING DATE: 1998-11-04
PRIOR PILING DATE: 1998-11-04
                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
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PRIOR FILING DATE: 1999-04-28
NUMBER OF SEQ ID NOS: 1526
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APPLICANT: Zinnen, Shawn
TITLE OF INVENTION: Nucleotide triphosphate and their incorporation into oligonucleot
FILE REFERENCE: MUNICIPATION (247/276)
CURRENT APPLICATION NUMBER: US/09/474,432B
CURRENT FILING DATE: 1999-12-19
PRICE APPLICATION TITLES 1999-12-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Ribozyme Pharmaceuticals, Inc
APPLICANT: Beigelman, Leo
APPLICANT: Burgin, Alex
APPLICANT: Beaudry, Amber
APPLICANT: Karpeisky, Alex
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                                                                                                                    TYPE: RNA
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15; Conserv
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    0.6%;
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    Score 13.8;
Pred. No. 54;
                        DB
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US-09-371-772B-4985
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US-09-371-772B-4985
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US-09-371-772B-3277
                                                                                                                                                     PRIOR APPLICATION NUMBER: US 08/584,040
PRIOR FILING DATE: 1996-01-08
NUMBER OF SEQ ID NOS: 14225
SOFTWARE: PatentIn version 3.0
SEQ ID NO 4985
LENGTH: 17
      Best Local
Matches 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 4985, Application US/09371772B Patent No. 6566127
GENERAL INFORMATION:
                                                Query Match
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Best Local Similarity 64.7%;
Matches 11; Conservative
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SEQ ID NO 3277
LENGTH: 17
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                                                                                                                                                                                                                                                                          APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00,876-J (237/198)
CURRENT APPLICATION NUMBER: US/09/371,772B
CURRENT FILING DATE: 1999-08-10
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR FILING DATE: 1995-10-26
                                                                                                                             LENGTH: 17
TYPE: RNA
                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Ribozyme Pharmaceuticals, Inc
APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR FILING DATE: 1995-10-26
PRIOR APPLICATION NUMBER: US 08/584,040
PRIOR FILING DATE: 1996-01-08
NUMBER OF SEQ ID NOS: 14225
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APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00,876-J (237/198)
CURRENT APPLICATION NUMBER: US/09/371,772B
CURRENT FILING DATE: 1999-08-10
                                                                                                       ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: RNA
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                          Similarity
        Conservative
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                        0.6%;
  ; Score 13.8; D; Pred. No. 54; 4; Mismatches
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Pred. No. 5
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                                         1; Length 17;
    Indels
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; ORGANISM: Homo sapiens
US-09-476-387-321
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APPLICANT: Zinnen, Shawn
APPLICANT: Zinnen, Shawn
TITLE OF INVENTION: Nucleotide Triphosphate and
FILE REFERENCE: MBHB00-831-C (249/073)
CURRENT APPLICATION NUMBER: US/09/476,387
CURRENT FILING DATE: 2001-04-04
PRIOR APPLICATION NUMBER: 09/474,432
PRIOR FILING DATE: 1999-12-29
PRIOR FILING DATE: 1999-12-29
PRIOR APPLICATION NUMBER: 09/301,511
PRIOR APPLICATION NUMBER: 09/186,675
PRIOR APPLICATION NUMBER: 09/186,675
PRIOR FILING DATE: 1998-04-28
PRIOR FILING DATE: 1998-04-28
PRIOR FILING DATE: 1998-11-04
PRIOR FILING DATE: 1998-11-04
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.6%;
Best Local Similarity 88.2%;
Matches 15; Conservative
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                                                                                                                                                                                                                                                                                                                          ABERIAL INFORMATION:
GEBRAL INFORMATION:
GAPPLICANT: Akhtar, Saghir
APPLICANT: Fell, Patricia
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: 60/083,727 PRIOR FILING DATE: 1998-04-29 PRIOR APPLICATION NUMBER: 60/064,866
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APPLICANT: Beaudry, Amber
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SOFTWARE: PatentIn version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR FILING DATE: 1997-11-05
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COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette,
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                          TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                           NUMBER OF SEQUENCES: 1
                                                                                                                                                                                                                                                       TITLE OF INVENTION:
                                                                                                                                            ADDRESSEE: Lyon & Lyon STREET: 633 West Fifth Street STREET: Suite 4700
                                                        COUNTRY: U.S.A.
ZIP: 90071-2066
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                                                                                                        Los Angeles
: California
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Adamic, Jasenka Matulic
                                                                                                                                                                                                                                                     ENZYMATIC NUCLEIC ACID TREATMENT
OF DISEASES OR CONDITIONS RELATED
TO LEVELS OF EPIDERMAL GROWTH
FACTOR RECEPTORS
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Pred. No. 5
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  RESULT 90
US-09-866-108A-230; Sequence 230, Ap
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US-09-827-998-313/c
                                                                                                                        US-09-827-998-313
                                                                                                                                                                                                                                          GENERAL INFORMATION:
APPLICANT: Gu, Yilhong
APPLICANT: Shannon, Mark
APPLICANT: Shannon, Mark
APPLICANT: Shannon, Mark
TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
FILE REFERENCE: MDhMORF-8
CURRENT APPLICATION NUMBER: US/09/827,998
CURRENT FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2000-09-27
                                                                                                                                                                             SOFTWARE: Aeomica Sequence Listing Engine Patent No. 6656700
SEQ ID NO 313
                                                         Query Match
Best Local Similarity
Matches 15; Conserv
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Best Local Similarity
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                 NUMBER OF SEQ ID NOS: 1881
                                                                                                                                   ORGANISM: Homo sapiens
                                                                                                                                                     TYPE: DNA
                                                                                                                                                                    LENGTH: 17
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LENGTH: 17 base pairs
TYPE: nucleic acid
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/985,162
FILING DATE: 04 December 1997
APPLICATION NUMBER: 60/036,476
FILING DATE: 31 January 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELECOMMUNICATION INFORMATION: TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION: NAME: Warburg, Richard J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE: (213)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRANDEDNESS: single
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REFERENCE/DOCKET NUMBER: 23
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                    1643 TCTCTTCTTCCCTTCCT 1659
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17
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                                                                          Score 13.8;
Pred. No. 54
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Pred. No. 54;
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                                                             Mismatches
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                                                             Indels
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Application US/09866108A

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US-09-866-108A-2018
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; ORGANISM: Homo sapiens
US-09-866-108A-230
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APPLICANT: JI, Yonggang
APPLICANT: PENN, Shark
APPLICANT: HANZEL, Dav
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Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                                                                                                                                                                                                Sequence 2018, App
Patent No. 6686188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: Aeomica
Patent No. 6686188
SEQ ID NO 230
                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATI
                                                          CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
                                                                                                                                          APPLICANT: SHANNON, MARK
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED
FILE REFERENCE: AEOMICA-7
                                                                                                                                                                                                                            APPLICANT:
                                                                                                                                                                                                         APPLICANT:
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PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2000-09-27
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CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT FILING DATE: 2001-05-25
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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: GU, Yizhong
APPLICANT: JI, Yongga
APPLICATION NUMBER: GB 24263.6 FILING DATE: 2000-10-04 APPLICATION NUMBER: US 60/236,359
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: PCT/US01/00665 FILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00667
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                                                                                                                                                                                               JI, Yonggang
PENN, Sharron G.
HANZEL, David K.
RANK, David R.
CHEN, Wensheng
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AGAGCCCTCCACCATCC 17
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Pred. No. 54;
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RESULT 92
US-09-866-108A-2019
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                                  PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR PELICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; Patent No. 6686
; SEQ ID NO 2018
; LENGTH: 17
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PRIOR APPLICATION NI
PRIOR FILING DATE: 2
PRIOR APPLICATION NI
                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/09/866,108A CURRENT EILING DATE: 2001-05-25 PRIOR APPLICATION NUMBER: US 60/207,456 PRIOR FILING DATE: 2000-05-26
                                                                                                                                                                                                PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION UNMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION UNMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: GB 24263.6 PRIOR FILING DATE: 2000-10-04
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PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
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ITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: Aeomica Sequence Listing Engine
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APPLICATION NUMBER: PCT/US01/00665
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00668
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APPLICATION NUMBER: PCT/US01/00667
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5. 6686188
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Prior Application data removed - SEQ ID NOS: 15755
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                JI, Yonggang
PENN, Sharron
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CHEN, Wensheng
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Pred. No. 5
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              File Wrapper or PALM
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; ORGANISM: Homo sapiens
US-09-866-108A-2019
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; Sequence 3075, Application US/09685664B
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                                                                                                                                                                                                                                                                                                 Sequence 3277, Application US/09685664B Patent No. 6818447 GENERAL INFORMATION:
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Best Local Similarity
Matches 15; Conserv
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Best Local Similarity
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SEQ ID NO 2019
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TITLE OF INVENTION: Method and Reagent for Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Recptor
FILE REFERENCE: MBH800-876-K (400/021)
CURRENT APPLICATION NUMBER: US/09/685,664B
CURRENT FILING DATE: 2000-10-10
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR FILING DATE: 1995-10-26
PRIOR FILING DATE: 1995-01-08
PRIOR APPLICATION NUMBER: US 08/584,040
PRIOR FILING DATE: 1996-01-08
PRIOR FILING DATE: 1996-01-08
PRIOR FILING DATE: 1995-01-08
PRIOR FILING DATE: 1995-01-08
PRIOR FILING DATE: 1995-01-08
PRIOR FILING DATE: 1995-01-08
PRIOR FILING DATE: 1995-08-10
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TITLE OF INVENTION: Method and Reagent for Treatment of Diseases or Conditions Relate TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Recptor FILE REFERENCE: MBHB00-876-K (400/021)
CURRENT APPLICATION NUMBER: US/09/685,664B
CURRENT FILING DATE: 2000-10-10
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR APPLICATION NUMBER: US 68/584,040
PRIOR APPLICATION NUMBER: US 08/584,040
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                                                                                                                                                                                                                                                    APPLICANT: Ribozyme Pharmaceuticals, Inc APPLICANT: Pavco, Pam
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APPLICANT: Pavco, Pam
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     854 GATGTCTGGAGGTATCT 870
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McSwiggen, Jim
Stinchcomb, Dan
Escobedo, Jaime
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Pred. No. 54;
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Pred. No. 5
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US-08-050-073-148
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                           Matches
                                             Query Match
Best Local Similarity
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SOFTWARE: PatentIn version
SEQ ID NO 3277
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 148,
                                                                                                                                                                                                                                                                             COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Va
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/050,073
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Petry, Douglas A.
REGISTRATION NUMBER: 35,321
                                                                                                                                                                                                    TELEFAX: (510) 814-29 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: US 09/371,772 PRIOR FILING DATE: 1999-08-10
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Griffith, Robert L.
APPLICANT: Scharf, Stephen J.
TITLE OF INVENTION: Methods and Reagents for HLA DRBeta DNA
TITLE OF INVENTION: Typing
NUMBER OF SEQUENCES: 315
CORRESPONDENCE ADDRESS:
                                                                                                       TOPOLOGY: li
                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER: 87
TELECOMMUNICATION INFORMATION:
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APPLICANT: Begovi
APPLICANT: Bugawa
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COUNTRY:
                                                                                                                                      STRANDEDNESS:
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CITY: Nutley
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 1970 GACTGGCCTCCAGGATG 1986
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                                                                                                                                                 : 18 base pairs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   340 Kingsland Street
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Buqawan, Teodorica L.
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Erlich, Henry A.
                              Conservative
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                             Score 13.8; D. Pred. No. 58; O; Mismatches
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US-08-210-762E-45/c
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APPLICATION NUMBER: 08/141,035
FILING DATE: 26-OCT-93
APPLICATION NUMBER: 08/120,096
FILING DATE: 13-SEP-93
APPLICATION NUMBER: 08/111,519
FILING DATE: 25-AUG-93
ATTORNEY/AGENT INFORMATION:
NAME: BUCtmi, Jean A.
REGISTRATION NUMBER: 24,236
REFERENCE/DOCKET NUMBER: A4710CI
TELECOMMUNICATION INFORMATION:
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APPLICANT: Jenison, Steve
TITLE OF INVENTION: Molecul
TITLE OF INVENTION: the HAR
NUMBER OF SEQUENCES: 85
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: (703)418-2768
[NFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Four Corners Hantavirus INDIVIDUAL ISCLATE: 3H226 IMMEDIATE SOURCE: LIBRARY:
                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: cDNA viral HYPOTHETICAL: no ANTI-SENSE: no ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OPERATING SYSTEM: Windows 3.1
SOFTWARE: WordPerfect 6.1 for Windows
CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                            PUBLICATION INFORMATION:
AUTHORS: Hjelle, Brian
                                                                                                                                                                             AUTHORS:
AUTHORS:
AUTHORS:
AUTHORS:
AUTHORS:
AUTHORS:
                                                         JOURNAL:
                                                                                        AUTHORS: Myers, Gerald
TITLE: A No. 5837441el Hantavirus Associated with an Outbreak of Fatal Respiratorithe: Disease in the Southwestern United States: Evolutionary Relationships to TITLE: Hantaviruses-Running Title: Hantavirus-associated ARDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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RELEVANT RESIDUES
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CITY: Arlington
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                                                                                                                                                                      Jenison, Steven
Torrez-Martinez, No. 5
Yamada, Takashi
No. 5837441te, Kurt
Zumwalt, Ross
MacInnes, Kersti
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2361 Jefferson Davis Highway
                                                                            Journal of Virology
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Best Local S
Matches 15
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Patent No. 5981732
GENERAL INFORMATION:
APPLICANT: Lex M. COWSETT
TITLE OF INVENTION: ANTISENSE MODULATION OF G-ALPHA-13 EXPRESSION
FILE REFERENCE: RTS-0031
                                                    Best Local
Matches
                                                                                                                                                                           SEQ ID NO 10
LENGTH: 18
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SEQ ID NO 9
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Best Local Similarity
                                                                             Query Match
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CURRENT FILING DATE: 1998-12-04
NUMBER OF SEQ ID NOS: 87
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TITLE OF INVENTION: ANTISENSE MODULATION OF Rhog EXPRESSION
FILE REFERENCE: RTS-0015
CURRENT APPLICATION NUMBER: US/09/161,015A
CURRENT FILING DATE: 1998-09-25
                                                                                                                                   TYPE: DNA ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
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OTHER INFORMATION: Antisense Oligonucleotide
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US-09-200-141-40/c
; Sequence 40, Application US/09200141
; Patent No. 598563
; GENERAL INFORMATION:

APPLICANT: C. Frank Bennett

RESULT 99

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US-09-200-141-40
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Best Local Similarity
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CURRENT FILING DATE: 1998-11-25
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                                                                                                                                                                                                                                         TELECOMMUNICATION INFORMATION:
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CURRENT APPLICATION DATA:
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                                                                                                                      STRANDEDNESS: 811
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REFERENCE/DOCKET NUMBER: RTS-0004
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OPERATING SYSTEM:
                                                                  Local
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ANTISENSE MODULATION OF THER1
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RESULT 101

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US-09-577-902-23
                                                                                                                                                                             RESULT 103
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                                                                                                        Sequence 45, Applica Patent No. 6316250 GENERAL INFORMATION:
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SEQ ID NO 23
LENGTH: 18
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Best Local Similarity
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GENERAL INFORMATION:
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APPLICANT: Jenison, Steve TITLE OF INVENTION: Molecular Clones Producing Recombinant DNA Antigens of TITLE OF INVENTION: the HARDS Virus.
FILE REFERENCE: 10312-8U1, Hjelle et al. (210312.0009)
CURRENT APPLICATION NUMBER: US/09/106,075A
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TITLE OF INVENTION: ANTISENSE MODULATIC
FILE REFERENCE: ISPH-0463
CURRENT APPLICATION NUMBER: US/09/577,902
CURRENT FILING DATE: 2000-05-24
PRIOR APPLICATION NUMBER: US 09/358,381
PRIOR FILING DATE: 1999-07-21
                                                                        APPLICANT:
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CURRENT FILING DATE: 1999-07-21
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                                                                                          Hjelle MD, Brian
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88.2%; Pred. No. 58
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PRIOR FILING DATE: 1994-03-22
PRIOR APPLICATION NUMBER: 08/141,035
PRIOR FILING DATE: 1993-10-26
PRIOR FILING DATE: 1993-10-26
PRIOR APPLICATION NUMBER: 08/120,096
PRIOR FILING DATE: 1993-09-13
PRIOR FILING DATE: 1993-08-25
NUMBER: OF SEQ ID NOS: 90
                                                                                                                                                                                                                                                                           ZIP: 90071-2066

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 8326, App
Patent No. 6346398
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: I
                                                                                                                                                APPLICATION NUMBER: US/08/584,040
FILING DATE: January 11, 1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/005,974
FILING DATE: October 26, 1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
APPLICANT: Pavco,
APPLICANT: McSwig
TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: N
TITLE OF INVENTION: TITLE OF INVENTION: C
TITLE OF INVENTION: C
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
ORGANISM: Prospect Hill virus
                                                                 TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 18
                                                                                                                                                                                                                                                                    CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Apport
                                                                                        REFERENCE/DOCKET NUMBER: 218
                                                                                                                  NAME: Warburg, Richard J. REGISTRATION NUMBER: 32,3
                                                    TELEFAX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2025 CTGCCCCCCATGCACCA 2041
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: California
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McSwiggen, James
Stinchcomb, Dan T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Escobedo,
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                                                    955-0440
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               METHOD AND REAGENT FOR THE TREATMENT OF DISEASES OR CONDITIONS RELATED TO LEVELS OF VASCULAR ENDOTHELIAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GROWTH FACTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8502
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                                                                                                  218/064
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Pred. No. 58;
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Sequence 4223, Application US/09422978

Patent No. 6537751

GENERAL INFORMATION:
APPLICANT: Cohen, Daniel
APPLICANT: Cohen, Daniel
APPLICANT: Chumakov, Ilya
TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
FILE REFERENCE: GENSET.020CP1
CURRENT APPLICATION NUMBER: US/09/422,978
CURRENT FILING DATE: 1999-10-20
EARLIER APPLICATION NUMBER: US 09/298,850
EARLIER APPLICATION NUMBER: US 60/109,732
EARLIER FILING DATE: 1998-04-21
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APPLICANT: Cowsert, Lex M.
TITLE OF INVENTION: Antisense Modulation of
TITLE OF INVENTION: Expression
FILE REFERENCE: ISPH-0404
CURRENT APPLICATION NUMBER: US/09/387,341
CURRENT FILING DATE: 1999-08-31
EARLIER APPLICATION NUMBER: 09/156,424
EARLIER APPLICATION NUMBER: 09/156,979
EARLIER APPLICATION NUMBER: 09/156,979
EARLIER APPLICATION NUMBER: 09/156,979
EARLIER APPLICATION NUMBER: 09/156,807
EARLIER APPLICATION NUMBER: 09/156,807
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US-09-387-341-152/c
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Best Local :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 64.7
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
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EARLIER FILING DATE: 1998-09-25
NUMBER OF SEQ ID NOS: 233
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: Description of Artificial Sequence: Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ENGTH: 18
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15; Conserv
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6410323
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.6%;
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Pred. No. 5
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Pred. No. 58;
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APPLICANT: Cohen, Daniel
APPLICANT: Chumacov, Ilya
APPLICANT: Chumakov, Ilya
APPLICANT: Chumakov, Ilya
APPLICANT: Chumakov, Ilya
TITLE OF INVENTION: Biallelic markers for us
FILE REFERENCE: GENSET.020CP1
CURRENT APPLICATION UNMBER: US/09/422,978
CURRENT FILING DATE: 1999-10-20
EARLIER APPLICATION NUMBER: US 09/298,850
EARLIER FILING DATE: 1999-04-21
EARLIER APPLICATION NUMBER: US 60/109,732
EARLIER APPLICATION NUMBER: US 60/109,732
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US-09-422-978-11430
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US-09-422-978-4223
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER CONCTH: 18
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                                                                                                                                                                                                                              Sequence 11430, Application US/09422978
Patent No. 6537751
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
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Patent No. 6537751
GENERAL INFORMATION:
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CURRENT FILING DATE: 1999-10-20
EARLIER APPLICATION NUMBER: US 09/298,850
EARLIER FILING DATE: 1999-04-21
EARLIER APPLICATION NUMBER: US 60/109,732
EARLIER FILING DATE: 1998-11-23
EARLIER APPLICATION NUMBER: US 60/082,614
EARLIER APPLICATION NUMBER: US 60/082,614
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Cohen, Daniel
APPLICANT: Blumenfeld, Marta
APPLICANT: Chumakov, Ilya
TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
FILE REFERENCE: GENSET.020CP1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME/KEY: primer_bind
LOCATION: 1..18
OTHER INFORMATION: upstream amplification primer 99-2058 for SEQ 1127,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: Homo Sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURE:
NAME/KEY: primer_bind
LOCATION: 1..18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Homo Sapiens
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NG DATE: 1998-11-23
ICATION NUMBER: US 60/082,614
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llarity 88.2%;
Conservative
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Pred. No. 58
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Pred. No. 5
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                                                                                                                                                 high density..
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APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatme;
TITLE OF INVENTION: Levels of Vascular Endothelial Gr.
FILE REFERENCE: MBHB00,876-J (237/198)
CURRENT APPLICATION NUMBER: US/09/371,772B
CURRENT FILING DATE: 1999-08-10
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR FILING DATE: 1995-10-26
PRIOR FILING DATE: 1995-10-26
PRIOR FILING DATE: 1996-01-08
PRIOR FILING DATE: 1996-01-08
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US-09-371-772B-3984
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                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: PatentIn version 3.0 SEQ ID NO 3984
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 3984, Application US/09371772B Patent No. 6566127
                                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                         Sequence 17, Application US/09954736A Patent No. 6689744
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc
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SEQ ID NO 11430
APPLICANT: Shou, Jianyong
TITLE OF INVENTION: NOTCH RECEPTOR AGONISTS
FILE REFERENCE: P1848R1
CURRENT APPLICATION NUMBER: US/09/954,736A
CURRENT FILING DATE: 2001-09-17
PRIOR APPLICATION NUMBER: US 60/234,674
PRIOR FILING DATE: 2000-09-22
NUMBER OF SEQ ID NOS: 21
                                                                                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                      APPLICANT: Ross, Sarajane
                                                                                                                                                        APPLICANT: Gao, Wei-Qiang APPLICANT: Koeppen, Hartı
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR FILING DATE: 1996-01-08
NUMBER OF SEQ ID NOS: 14225
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TYPE: RNA
ORGANISM: Mus sp.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 18
TYPE: "DNA
ORGANISM: Homo Sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: downstream amplification primer 99-5987 for SEQ 3565,
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Stinchcomb, Dar
                                                                                                                                                         Koeppen, Hartmut
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Pred. No. 5
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Pred. No. 58;
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ORGANISM: Artificial Sequence
; PEATURE:
; OTHER INFORMATION: Synthetic Oligonucleotide Probe
US-09-954-736A-17
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US-09-155-885A-247/c
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                                        Query Match
Best Local Similarity 88.2
Matches 15; Conservative
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Best Local Similarity
Matches 15; Conserv
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GENERAL INFORMATION:
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LENGTH: 18
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                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO: 247: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                    TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4000
TELEFAX: (703) 816-4100
                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP97/02002
FILING DATE: 21-APR-1997
APPLICATION NUMBER: EP 96870053.4
FILING DATE: 19-APR-1996
ATTORNEY/AGENT INFORMATION:
1302 TACCACACCATGTACAT 1318
                                                                                                                                                                   TOPOLOGY: linear MOLECULE TYPE: DNA (genomic) HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOPTWARE: Patentin Release #1.0, Version #1.30 (EPO)
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MAERTENS, GEERT TITLE OF INVENTION: METHOD FOR TYPING AND DETECTING HBV NUMBER OF SEQUENCES: 313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: STUYVER, LIEVEN ROSSAU, RUDI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               737 TECCTTCTECAACTTCA 753
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                                                                                                                                                                                                                                                                                                                                            NAME: SADOFF, B.J.
REGISTRATION NUMBER: 36,663
REFERENCE/DOCKET NUMBER: 2551-5
                                                                                                                                                                                                               LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US/09/155,885A FILING DATE: 08-Oct-1998 CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: ARLINGTON
STATE: VIRGINIA
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REET: 1100 NORTH GLEBE ROAD
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                                                               Score 13.8;
Pred. No. 58
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Pred. No. 58;
                                                 Mismatches
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US-09-685-664B-3984
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US-10-071-411A-22
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                                             Matches
                                                                Query Match
Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Patent No. 681844
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 22
LENGTH: 18
TYPE: DNA
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                                                                                                                                                                                                                                         APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Recptor
FILE REFERENCE: Method.876-K (400/021)
CURRENT APPLICATION NUMBER: US/09/685,664B
CURRENT FILING DATE: 2000-10-10
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR APPLICATION NUMBER: US 08/584,040
PRIOR FILING DATE: 1996-01-08
PRIOR PRIOR APPLICATION NUMBER: US 08/584,040
PRIOR FILING DATE: 1999-08-10
NUMBER OF SEQ ID NOS: 8231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Ribozyme Pharmaceuticals, Inc
APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
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CURRENT APPLICATION NUMBER: US/10/071,411A
CURRENT FILING DATE: 2002-02-07
PRIOR APPLICATION NUMBER: 60/267,515
PRIOR APPLICATION NUMBER: 60/267,515
PRIOR FILING DATE: 2001-08-21
PRIOR FILING DATE: 2001-08-21
PRIOR FILING DATE: 2001-08-21
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TITLE OF INVENTION: Detection of Polymorphisms in the
TITLE OF INVENTION: 5-Lipoxygenase Gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Glenn Barnes
APPLICANT: Joanne Meye
                                                                                                                                       TYPE: RNA
ORGANISM: Mus musculus
                                                                                                                                                                                      LENGTH:
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Local Similarity 88.2%;
les 15; Conservative
                                                            ocal Similarity
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613 GAAACTGGGCTGTGG 629
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                                        Conservative
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                                                            0.6%;
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                                                            Score 13.8;
Pred. No. 58;
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Pred. No. 5
                                        Mismatches
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                                                                             Length 18;
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GAAACUGUCCUGUGUGG 18

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Best Local Similarity
                                                                                                                                                                                                                                                                                                                          Patent No.
                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEFAX: (312)616-5460
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                             APPLICANT: Pape, MICHAEL

IITLE OF INVENTION: METHOD AND REAGENT FO

TITLE OF INVENTION: PROGRESSION AND REGRE

TITLE OF INVENTION: OF VASCULAR DISEASES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY/AGENT INFORMATION:
NAME: Katz, Martin L.
REGISTRATION NUMBER: 25,011
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ZIP: 60601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
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APPLICANT: Dixon, Richard AF
TITLE OF INVENTION: ANTISENSE MOLECULES DIRECTED AGAINST
TITLE OF INVENTION: GENES OF THE RAF ONCOGENE FAMILY
                                                                                                                                                                                                                                                                  APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
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                                                                                                                          CORRESPONDENCE ADDRESS:
                                                                                                                                           UMBER OF SEQUENCES:
                                                                                                                                                                                                                                                   PPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: both
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: PCT/US93/12603 FILING DATE: CLASSIFICATION:
                                                  ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: .Suite 4700
CITY: Los Angeles
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEPHONE:
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COUNTRY: U
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         1871 CCCCGTTGTGTGAGGGC 1887
                                                                                                                                                                                                                                                                                                                        622, Application US/08363240A
o. 5705388
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                                   California
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 USA
                                                                                                                                                                                                                                          McSwiggen, James
Bisgaier, Charles
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        : (312)616-5400
(312)616-5460
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                       Couture, Larry
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.6%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 13.8;
Pred. No. 58;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                              AND REGRESSION
                                                                                                                                                                                             INHIBITION OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 1; Length 18;
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US-08-585-684B-91/c
; Sequence 91, Application US/08585684B
; Patent No. 5877021
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 210/
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
                                            APPLICATION NUMBER: US/08/585,684B
FILING DATE: January 16, 1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/000,951
FILING DATE: July 7, 1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                               COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P. C. DOS
SOFTWARE: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08,
FILING DATE: December 23,
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM Compatible COMPUTER: IBM P.C. SOFTWARE: Word Perfect 5.1
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                                                                                                                                                                                                                                                                                                       CITY: Los Angeles
STATE: California
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                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
                                                                                                                                                                                                                                                                        ZIP: 90071
                                                                                                                                                                                                                                                                                      COUNTRY:
                                                                                                                                                                                                                                                                                                                                         STREET:
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TOPOLOGY: lir
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER:
 REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      361 CCAGCATCCTCTCCG 375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        11;
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                                                                                                                                                                                                                                                                                                                                         Suite 4700
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                            Richard
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.6%; Score 13.4; 73.3%; Pred. No. 56
                                                                                                                                                                                      IBM P.C. DOS 5.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Daniel T.
218/078
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US-09-038-073-91
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Query Match 0.6
Best Local Similarity 93.3
Matches 14; Conservative
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                                                                                                                                                TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                 REFERENCE/DOCKET NUMBER: 21
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                            FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: FASTSEQ Version 1.5
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: METHOD AND REAGENT FOR THE TITLE OF INVENTION: INDUCTION OF GRAFT TOLERANCE AND REVERSAL OF IMMUNE RESPONSES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: McSwiggen,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Stinchcomb, Daniel T. APPLICANT: Jarvis, Thale
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELECOMMUNICATION INFORMATION: TELEPHONE: (213) 489-1600
                                                                                              LENGTH: 15 base pairs TYPE: nucleic acid STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: LYON & LYON
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
                                                                                                                                                                                                  TELEPHONE: (213) 489-16
TELEPAX: (213) 955-0440
                                                                                                                                                                                                                                                            NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
                                                                                       TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY: U.S.A.
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TELEFAX: (213) 955-0440
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH:
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o. 6194150
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                 0.6%;
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; Score 13.4; D;
; Pred. No. 56;
0; Mismatches
                                                                                                                                                                                                                                                  218/078
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Pred. No. 5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            56;
                                DB 1; Length 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 15;
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0,
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Gaps
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US-08-887-480-25/c
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US-08-233-608-25/c
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                                                                                                                                          Sequence 25, Applicat
Patent No. 5814453
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO.
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                               Matches
                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 25, App. 55852
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
APPLICANT: Ligon, James M
APPLICANT: Beck, James J
                                                                                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE: C
DESCRIPTION: C
HYPOTHETICAL: NC
ANTI-SENSE: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Spruill, W. Murray
REGISTRATION NUMBER: 32,943
REFERENCE/DOCKET NUMBER: CGC
                                                       APPLICANT: Beck, James J
TITLE OF INVENTION: Detection of Fungal Pathogens Using the
TITLE OF INVENTION: Polymerase Chain Reaction
NUMBER OF SEQUENCES: 96
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
STREET: 520
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: Detection of Fungal Pathogens Using the TITLE OF INVENTION: Polymerase Chain Reaction NUMBER OF SEQUENCES: 49

CORRESPONDENCE ADDRESS:
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                                              ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: Hawthorne
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                                                                                                                                                                                                                                                                                              2256 GCAGGTGGCCCCGA 2270
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                                                                                                                                                                                                                                                                                                                               14; Conservative
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                                                                                                                                                                               Application US/08887480
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                             E: No. 5814453artis Corporation 520 White Plains Road
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Application US/08233608
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Oligonucleotide primer JB442
                                                                                                                                                                                                                                                                                                                                               0.6%;
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Pred. No. 65;
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COUNTRY:

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US-08-722-187-25/c
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Best Local Similarity
Matches 14; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 25, Application US/08722187 Patent No. 5955274
                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
APPLICANT: Ligon, James M
APPLICANT: Beck, James J
TITLE OF INVENTION: Detection of Fungal Pathogens Using the
TITLE OF INVENTION: Polymerase Chain Reaction
NUMBER OF SEQUENCES: 86
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US 08/722
FILING DATE: 15-OCT-1996
ATTORNEY_AGENT INFORMATION:
NAME: Me1gs, J. Timothy
REGISTRATION NUMBER: 38,241
REFERENCE/DOCKET NUMBER: CGC
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-541-8587
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/233,608
PILING DATE: 04-APR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Walsh, Andrea C.
                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/722,187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE: Other nucleic acid
DESCRIPTION: Oligonucleotide primer JB442
HYPOTHETICAL: NO
ANTI-SENSE: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CLASSIFICATION: 435
PRIOR APPLICATION DATA:
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MEDIUM TYPE: Floppy COMPUTER: IBM PC COM
                                                                                                                                                                                                                                                                                                                        CITY: Hawthorne STATE: NY
                                                                                                                                                                                                                                                                               ZIP: 10532
                                                                                                                                                                                                                                                                                                 COUNTRY:
                                                                                                                                                                                                                                                                                                                                                               STREET:
                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: Ciba-Geigy Corporation STREET: 7 Skyline Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2256 GCAGGTGGCCCCGA 2270
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                                                                                                                                                                                                                                                                                                     USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 13.4;
Pred. No. 65
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; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid
DESCRIPTION: Oligonucleotide primer JB442
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-722-187-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           뭉
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Best Local Similarity
Matches 14; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 53,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REFERENCE/DOCKET NUMBER: CGG
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-541-866
TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO: 25:
INFORMATION FOR SEQ ID NO.
SEQUENCE CHARACTERISTICS:
LENGIH: 17 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSEQ for Windows 2.0
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                            APPLICATION NUMBER: US/08/985,162
FILING DATE: 04 December 1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/036,476
FILING DATE: 31 January 1997
                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS
LENGTH: 17 base pairs
TYPE: nucleic acid
                                                                                                              NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 230/107
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Akhtar, Saghir
APPLICANT: Fell, Patricia
APPLICANT: McSwiggen, Jame
                                                                        TELEPHONE: (213)
TELEFAX: (213)
TELEX: 67-3510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: Los Angeles
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ZIP: 90071-2066
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           15 GCAGGTCGCCCCCGA 1
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OF DISEASES OR CONDITIONS RELATED
TO LEVELS OF EPIDERMAL GROWTH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FACTOR RECEPTORS
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Pred. No. 65;
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RESULT 123
US-09-474-432B-487
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US-08-985-162-326
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APPLICANT: Akhtar, Saghir
APPLICANT: Akhtar, Saghir
APPLICANT: Hell, Patricia
APPLICANT: MCSWiggen, James
TITLE OF INVENTION: ENZYMATIC
TITLE OF INVENTION: TO LEVELS
TITLE OF INVENTION: FACTOR RE
NUMBER OF SEQUENCES: 1877
                                                                                                                       Matches
                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: 60/036,476
FILING DATE: 31 January 1997
ATTORNEY/AGENT INPORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 230/107
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity Matches 14; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: FASTSEN: IBM P.C. DOS 5.0 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/985.162 FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
                                                                                                                                                                                                                                                                                                                                                                                                                                   CLASSIFICATION: 514
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET: 633 West Fif
STREET: Suite 4700
CITY: Los Angeles
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS
                                                                                                                     Local Similarity es 9; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US/08/985,162 FILING DATE: 04 December 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY: U.S.A. ZIP: 90071-2066
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY:
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                                                                            853 TGATGTCTGGAGGTA 867
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                                                          UGAUGUĆUGGAGCUÁ 17
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633 West Fifth
                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Application US/08985162
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                  0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ENZYMATIC NUCLEIC ACID TREATMENT
OF DISEASES OR CONDITIONS RELATED
TO LEVELS OF EPIDERNAL GROWTH
FACTOR RECEPTORS
                                                                                                                    5
                                                                                                                                  Score 13.4;
Pred. No. 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0,
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Pred. No. 6
                                                                                                                  Mismatches
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                                                                                                                                               DB 1; Length 17;
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                                                                                                                Gaps
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APPLICANI: SWEEMACH, SAWER
APPLICANI: SAWER
ITITE OF INVENTION: Nucleotide triphosphate and
FILE REFERENCE: MBHB00-831-B (247/276)
CURRENT APPLICATION NUMBER: US/09/474,432B
CURRENT FILING DATE: 1999-12-19
PRIOR APPLICATION NUMBER: US 60/064,866
PRIOR FILING DATE: 1997-11-05
PRIOR APPLICATION NUMBER: US 60/084,727
PRIOR APPLICATION NUMBER: US 09/186,675
PRIOR APPLICATION NUMBER: US 09/186,675
PRIOR APPLICATION NUMBER: US 09/186,675
PRIOR FILING DATE: 1998-11-04
PRIOR APPLICATION NUMBER: US 09/301,511
PRIOR APPLICATION NUMBER: US 09/301,511
PRIOR FILING DATE: 1999-04-28
NUMBER OF SEQ ID NOS: 1556
SOFTWARE: Patentin version 3.0
SEQ ID NO 691
LENGTH: 17
TYDET: RNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR PILING DATE: 1997-11-05
PRIOR PILING DATE: 1997-11-05
PRIOR PILING DATE: 1998-04-29
PRIOR PILING DATE: 1998-04-29
PRIOR PILING DATE: 1998-04-29
PRIOR PILING DATE: 1998-11-04
PRIOR PILING DATE: 1998-11-04
PRIOR APPLICATION NUMBER: US 09/301,511
PRIOR APPLICATION NUMBER: US 09/301,511
PRIOR PILING DATE: 1999-04-28
NUMBER OF SEQ ID NOS: 1526
SOFTWARE: PACENTIN VETSION 3.0
SEQ ID NO 487
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US-09-474-432B-691
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-474-432B-487
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
Matches 12; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 691, Application US/09474432B Patent No. 6528640
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leo
APPLICANT: Burgin, Alex
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 487, Application US/09474432B Patent No. 6528640
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Sweedler, David
APPLICANT: Zinnen, Shawn
TITLE OF INVENTION: Nuclectide triphosphate and their incorporation into oligonucleot
FILE REFERENCE: MBHB00-831-B (247/276)
CURRENT APPLICATION NUMBER: US/09/474,432B
CURRENT FILING DATE: 1999-12-19
CURRENT FILING DATE: 1999-12-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leo
APPLICANT: Burgin, Alex
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2021 AGGACTGCCCCCAT 2035
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Adamic, Jasenka
Sweedler, David
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Burgin, Alex
Beaudry, Amber
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Beaudry, Amber
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US-09-474-432B-691

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APPLICANT: Rarpeisky, Alex
APPLICANT: Adamic, Jasenka Matulic
APPLICANT: Rarpeisky, Alex
APPLICANT: Adamic, Jasenka Matulic
APPLICANT: Seedlar. Dave
APPLICANT: Seedlar., Dave
TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucles
FILE REPERENCE MEMBER: US/09/476,387
CURRENT PILING DATE: 2001-04-04
PRIOR APPLICATION NUMBER: 09/474,432
PRIOR PILING DATE: 1999-12-29
PRIOR PILING DATE: 1999-12-29
PRIOR PELING DATE: 1999-12-29
PRIOR PELING DATE: 1998-11-04
PRIOR PILING DATE: 1998-04-29
PRIOR PILING DATE: 1997-11-05
PRIOR PILING DATE: 1997-11-05
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APPLICANT: Beaudry, Anber
APPLICANT: Karpeisky, Alex
APPLICANT: Adamic, Jasenka Matulic.
APPLICANT: Adamic, Jasenka Matulic.
APPLICANT: Adamic, Jasenka Matulic.
APPLICANT: Zinnen, Shawn
IITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleo FILE REFERENCE: MBHB00-831-C (249/073)
CURRENT APPLICATION UNMBER: US/09/476,387
CURRENT PILING DATE: 2001-04-04
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                                    Gaps
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                                    Indels
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   Best Local Similarity 66.7%; Pred. No. Matches 10; Conservative 4; Mismat
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PRIOR FILING DATE: 1999-12-29
PRIOR APPLICATION NUMBER: 09/301,511
PRIOR FILING DATE: 1999-04-28
PRIOR APPLICATION NUMBER: 09/186,675
PRIOR FILING DATE: 1998-11-04
                                                                                                                                                                                                                                                                                          Sequence 486, Application US/09476387
Patent No. 6617438
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No. 6617438
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Best Local Similarity 80.0
Matches 12; Conservative
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US-09-476-387-486
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APPLICANT: Stinchoomb, Dan
APPLICANT: Stinchoomb, Dan
APPLICANT: Stinchoomb, Dan
APPLICANT: Stinchoomb, Dan
APPLICANT: Escobedo, Jaime
APPLICANT: Escobedo, Jaime
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TILE REFERENCE: MeHBOO, 876-J (237/198)
FILE REFERENCE: MeHBOO, 876-J (237/198)
CURRENT APPLICATION NUMBER: US/09/371, 772B
CURRENT APPLICATION NUMBER: US 60/005, 974
PRIOR FILING DATE: 1995-10-26
PRIOR FILING DATE: 1996-01-08
NUMBER OF SEQ ID NOS: 14225
SOFTWARE: Patentin version 3.0
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APPLICANT: Stinchcomb, Dan.
APPLICANT: Stinchcomb, Dan.
APPLICANT: Stinchcomb, Dan.
TITLE GENERAL: Excobed, Jaime.
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditi;
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor.
FILE REPRENCE: MBH800,876-J (237/198)
CURRENT APPLICATION NUMBER: US/09/371,7728
CURRENT FILING DATE: 1995-08-10
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR PILING DATE: 1995-10-26
PRIOR PILING DATE: 1995-10-26
PRIOR PILING DATE: 1996-01-08
NUMBER OF SEQ ID NOS: 14225
SOFTWARE: Patentin version 3.0
LENGTH: 17
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Query Match 0.6%; Score 13.4; DB 1; Length 17; Best Local Similarity 73.3%; Pred. No. 65; Matches 11; Conservative 3; Mismatches 1; Indels
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Patent No. 6566127
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
                                                                                                                                                                                                                                                                                                                Sequence 4986, Application US/09371772B Patent No. 6566127
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Best Local Similarity 66.7%;
Matches 10; Conservative
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ORGANISM: Homo sapiens
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DB 1; Length 17;

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Query Match 0.6%; Score 13.4; D
Best Local Similarity 93.3%; Pred. No. 65;
Matches 14; Conservative 0; Mismatches
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0.6%; Score 13.4; DB 1; Length 17;
Best Local Similarity 73.3%; Pred. No. 65;
Matches 11; Conservative 3; Mismatches 1; Indels
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US-09-401-063-53/C
US-09-401-063-53/C
| Sequence 53, Application US/09401063
| Sequence 53, Application US/09401063
| GENERAL INFORMATION:
| GENERAL INFORMATION:
| APPLICANT: Pell, Patricia APPLICANT: Pell, Patricia APPLICANT: Pell, Patricia APPLICANT: Pell, Patricia APPLICANT: POSTATON ENZYMATIC NUCLEIC ACID TREATMENT TITLE OF INVENTION: TO LEVELS OR CONDITIONS RELATED TITLE OF INVENTION: TO LEVELS OF EPIDERMAL GROWTH TITLE OF INVENTION: FACTOR RECEPTORS
| TITLE OF INVENTION: FACTOR RECEPTORS | TITLE OF SEQUENCES: 1877
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: george
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: PasteSEQ for Windows 2.0
GURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/401,063
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/985,162
FILING DATE: 04 December 1997
APPLICATION NUMBER: 60/036,476
FILING DATE: 31 January 1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     230/107
                                           PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION WUMBER: 60/064,866
PRIOR FILING DATE: 1997-11-05
NUMBER OF SEQ ID NOS: 1524
SOFTWARE: PREENTIN VERSION 3.0
SEQ ID NO 690
LENGTH: 17
                         PRIOR APPLICATION NUMBER: 60/083,727
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633 West Fifth Street
Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: Warburg, Richard J. REGISTRATION NUMBER: 32,327 REPERENCE/DOCKET NUMBER: 230 TELECOMMUNICATION INFORMATION: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           955-0440
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CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Ly
                                                                                                                                                                                                                           ORGANISM: Homo sapiens
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California
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                                                                                                                                                                                                  APPLICANT: Akhtar, Saghir
APPLICANT: Rell, Patricia
APPLICANT: Fell, Patricia
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
TITLE OF INVENTION: OF DISEASES OR CONDITIONS RELATED
TITLE OF INVENTION: TO LEVELS OF EPIDERWAL GROWTH
TITLE OF INVENTION: TO LEVELS OF EPIDERWAL
TITLE OF INVENTION: 107
TITLE OF INVENTION: 107
TITLE OF INVENTION: 107
TITLE OF INVENTION: 107
TITLE OF LOWERSES: 107
TITLE OF LOWERSES: 107
ADDRESSEE: Lyon & Lyon
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60.0%; Pred. No. 65;
1ve 5; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READBLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 6torage
COMPUTER: IEM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARES: FRAETSEQ for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/69/401,063
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/985,162
FILING DATE: 04 December 1997
APPLICATION NUMBER: 60/036,476
FILING DATE: 31 January 1997
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER: 230/107
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
                                                                                                                                      ; Sequence 326, Application US/09401063
; Patent No. 6623962
                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          853 TGATGTCTGGAGGTA 867
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1539 TTTTAAGAAGGAAA 1553
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Best Local Similarity 60.v.
                                     16 rcrrraagaaggaaa 2
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INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
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nucleic acid
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STATE: California
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                                                                                                                                                                                         GENERAL INFORMATION:
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Mismatches
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PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR PELING DATE: 2000-06-66
PRIOR PELING DATE: 2000-09-67
PRIOR PELING DATE: 2000-09-27
PRIOR PELING DATE: 2000-09-27
PRIOR PELING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR PELING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Aeomica Sequence Listing Engine
Patent No. 6686188
SEQ ID NO 800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Aeomica Sequence Listing Engine
                             IG DATE: 2001-01-30
CATION NUMBER: PCT/US01/00667
NUMBER: PCT/US01/00666
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Best Local Similarity 93.3
Matches 14; Conservative
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CORGANISM: Homo sapiens
US-09-866-108A-800
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                                                                                                                                                                                            PPLICANT: SHANNON, MArk
ITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
ILE REPERENCE: AEOMICA-7
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INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Remaining Prior Application data removed - See File Wrapper or PALM NUMBER OF SEQ ID NOS: 15755
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PRIOR PAPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-00-40
PRIOR PILING DATE: 2000-00-40
PRIOR PELING DATE: 2000-09-27
PRIOR FILING DATE: 2000-09-27
PRIOR PELING DATE: 2000-09-27
PRIOR PELING DATE: 2001-01-30
PRIOR PAPLICATION NUMBER: PCT/US01/00667
PRIOR PAPLICATION NUMBER: PCT/US01/00667
PRIOR PAPLICATION NUMBER: PCT/US01/00667
PRIOR PELING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PRILING DATE: 2001-01-30
PRIOR PRILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/09/866,108A CURRENT FILING DATE: 2001-05-25
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LILE REPERSNCE: AEOMICA-7
URRENT APPLICATION NUMBER: US/09/866,108A
URRENT FILING DATE: 2001-05-25
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TOR APPLICATION NUMBER: GB 24263.6
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Best Local Similarity 93.3
Matches 14; Conservative
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; ORGANISM: Homo sapiens
US-09-866-108A-797
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APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, MAT.
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REPERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108A
PRIOR APPLICATION NUMBER: PCT/USO1/00667

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/USO1/00663

PRIOR PILING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-30
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Patent No. 6686188 SEQ ID NO 1293

LENGTH:

Sequence 2023, Application US/09866108A

RESULT 135 IUS-09-866-108A-2023

Query Match

Matches

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APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
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93.3%; Pred. No. 65;
ive 0; Mismatches
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PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR PILING DATE: 2000-10-04
PRIOR PELING DATE: 2000-10-04
PRIOR PELING DATE: 2000-10-04
PRIOR PELING DATE: 2000-09-27
PRIOR PELING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PELING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
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PRIOR PELING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
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CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT FILING DATE: 2001-05-25
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Patent No. 6686188
SEQ ID NO 2023
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PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
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                                                    APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
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HANZEL, David K.
RANK, David R.
CHEN, Wensheng
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Best Local Similarity 93.3'
Matches 14; Conservative
                          JI, Yonggang
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ORGANISM: Homo sapiens
: GU, Yizhong
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APPLICANT:
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ITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
                                                                                                                                                              Gaps
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                                                                                       0.6%; Score 13.4; DB.1; Length 17; 93.3%; Pred. No. 65; tive 0; Mismatches 1; Indels
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PRIOR PELING DATE: 2001-05-25
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-07
PRIOR PILING DATE: 2001-01-30
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93.3%; Pred. No. 65;
ive 0; Mismatches
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Gaps

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APPLICANT: SHANNON, MAIK
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
TILE REPERENCE: ABOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108A
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PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: PCT/USO1/00667
PRIOR APPLICATION NUMBER: PCT/USO1/00667
PRIOR APPLICATION NUMBER: PCT/USO1/00667
PRIOR APPLICATION NUMBER: PCT/USO1/00669
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00669
PRIOR PILING DATE: 2001-01-30
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Pred. No. 69
    Sequence Listing Engine
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PRIOR FILING DATE: 2001-01-30
Remaining Prior Application data removed
NUMBER OF SEQ ID NOS.
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Patent No. 6668188
Exemple No. 6040
LENGTH: 17
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HANZEL, David K.
RANK, David R.
CHEN, Wensheng
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Best Local Similarity 93.3
Matches 14; Conservative
                                                                                                                  ; ORGANISM: Homo sapiens
US-09-866-108A-2844
SOFTWARE: Aeomica
Patent No. 6686188
SEQ ID NO 2844
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; ORGANISM: Homo &
US-09-866-108A-6040
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NUMBER OF SEQ ID NOS: 15755
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PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-09-27
PRIOR PILING DATE: 2000-09-27
PRIOR PILING DATE: 2001-01-30
                                           PRIOR APPLICATION NUMBER: PCT/USO1/00666
PRIOR PLING DATE: 2001-01-30
PRIOR PLLING DATE: 2001-01-30
PRIOR PLLING DATE: 2001-01-30
PRIOR PPLICATION NUMBER: PCT/USO1/00664
PRIOR PLLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00669
PRIOR APPLICATION NUMBER: PCT/USO1/00669
PRIOR PLILING DATE: 2001-01-30
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Patent No. 6686188
SEQ ID NO 2840
LENGTH: 17
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LICATION NUMBER: US 60/207,456
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Best Local Similarity
Matches 14; Conserv
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; ORGANISM: Homo
US-09-866-108A-2840
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PELICANT: SHANNON, MAIK
TIE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
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SEQ ID NOS: 15755
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93.3%; Pred. No. bo,
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                                                                                                                                                                                                                                                                                                PRIOR APPLICATION NUMBER: PCT/USO1/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00663
PRIOR FILING DATE: 2001-01-30
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/USO1/00669
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APPLICATION NUMBER: PCT/USO1/00665
FILING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00666
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LICATION NUMBER: PCT/US01/00666
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APPLICATION NUMBER: PCT/US01/00667
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RIOR APPLICATION NUMBER: GB 24263.6
RIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
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FILING DATE: 2000-10-04
APPLICATION NUMBER: US 60/236,359
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Best Local Similarity
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SEQ ID NO 6042
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NUMBER OF
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                                                                                                                                                                                                                                      PANT: SHANNON, Mark
OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
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Patent No. 6686188
SEQ ID NO 6041
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PILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/USO1/00667
PILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/USO1/00667
APPLICATION NUMBER: PCT/USO1/00664
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APPLICATION NUMBER: PCT/US01/00668
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APPLICATION NUMBER: PCT/US01/00663
FILING DATE: 2001-01-30
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APPLICATION NUMBER: US 60/207,456
FILING DATE: 2000-05-26
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FILING DATE: 2000-10-04
APPLICATION NUMBER: US 60/236,359
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Best Local Similarity 93.3%;
Matches 14; Conservative
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ORGANISM: Homo sapiens
         US-09-866-108A-6041
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PRIOR FILING DATE: 2001-01-30 Remaining Prior Application data removed - See File Wrapper or PALM

APPLICATION NUMBER: PCT/US01/00663

WT APPLICATION NUMBER: US/09/866,108A
NP-PILING-CAUE...-2001-05-25
APPLICATION NUMBER: US 60/207,456

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PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: GB 24263.6

LING DATE: 2001-01-30 FILING DATE: 2001-01-30

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APPLICANT: SHANNON, MArk
FITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
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PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
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APPLICANT: JI, Yonggang
APPLICANT: PENN, Shartron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Wark
ITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
TILE REFERENCE: AEOMICA-7
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CURRENT FILING DATE: 2001-05-25
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Patent No. 6686188
SEQ ID NO 10512
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PRIOR PEDLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
                                         0512, Application US/09866108A
6686188
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; ORGANISM: Homo sapiens
US-09-866-108A-10512
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IITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
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PRIOR FILING DATE: 2001-01-30
Remaining Prior Application data removed - See File Wrapper or PALM
NUMBER OF SEQ ID NOS: 15755
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Pred. No. 65;
0; Mismatches
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CURRENT PILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-00-04
PRIOR FILING DATE: 2000-00-27
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
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Pred. No. 69
                             SOFTWARE: Acomica Sequence Listing Engine
Patent No. 6686188
SEQ ID NO 6607
LENGTH: 17
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SOFTWARE: Acomica Sequence Listing Engine Patent No. 6686188
SEQ ID NO 6610
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PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
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Sequence 6610, Application US/09866108A
Patent No. 6686188
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Best Local Similarity 93.3%; Pr
Matches 14; Conservative 0;
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Best Local Similarity 93.3%;
Matches 14; Conservative
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CANT: JI, Yonggang
CANT: PENN, Sharron G.
CANT: HANZEL, David K.
NUMBER OF SEQ ID NOS: 15755
                                                                                                                                       ; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-6607
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; ORGANISM: Homo sapiens
US-09-866-108A-6610
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Remaining Prior Application data removed - See File Wrapper or PALM
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SEQ ID NO 10514
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PCT-US95-04712-25/c
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SOFTWARE: A
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PRIOR FILING DATE: 2001-01-30
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 15755
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93.3%; Pred. No. 69
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R APPLICATION NUMBER: GB 24263.6

R FILING DATE: 2000-10-04

R FILING DATE: 2000-99-27

R FILING DATE: 2001-09-27

R FILING DATE: 2001-01-30

R APPLICATION NUMBER: PCT/US01/00666

R APPLICATION NUMBER: PCT/US01/00666

R APPLICATION NUMBER: PCT/US01/00667
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: Aeomica Sequence Listing Engine
                                                                                                                                                          APPLICATION NUMBER: PCT/USO1/00664
FILING DATE: 2001-01-30
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/USO1/00669
                                                                     LING DATE: 2000-09-27
PLICATION NUMBER: PCT/US01/00666
                                                                                                                                                                                                                                                                                                                   FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00668
FILING DATE: 2001-01-30
                                                                                                                 PILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00667
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PPLICATION NUMBER: PCT/US01/00665
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APPLICATION NUMBER: PCT/US01/00664
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APPLICATION NUMBER: PCT/US01/00669
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PELICATION NUMBER: PCT/US01/00663
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                    'ILING DATE: 2000-10-04
NPPLICATION NUMBER: US 60/236,359
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APPLICATION NUMBER: US 60/207,456
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CHEN, Wensheng
SHANNON, Mark
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US-09-866-108A-10513
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Best Local Similarity
Matches 14; Conserv
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SEQ ID NO 10513
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APPLICANT: Ligon, James M
TITLE OF INVENTION: Detection of Fungal Pathogens Using the
TITLE OF INVENTION: Polymerase Chain Reaction
NUMBER OF SEQUENCES: 86
CORRESPONDENCE ADDRESS:
                                                                                                                                                                             DB 1; Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 1; Length 17;
                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: Methods and Products Related to TITLE OF INVENTION: Genotyping and DNA Analysis FILE REFERENCE: M0656/7045/HCL/MAT); CURRENT APPLICATION NUMBER: US/09/404,912 CURRENT FILING DATE: 1999-09-24 PRIOR APPLICATION NUMBER: US 60/101,757 PRIOR APPLICATION NUMBER: US 60/101,757 PRIOR APPLICATION NUMBER: PCT/US99/22283 PRIOR PILING DATE: 1999-09-24 NUMBER OF SEQ ID NOS: 691 SOFTWARE: PSELSEQ for Windows Version 3.0 SEQ ID NO 15.
                                                                                                                                                                                                                          Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.6%; Score 13.4;
93.3%; Pred. No. 65
tive 0; Mismatche
omica Sequence Listing Engine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            E: Ciba-Geigy Corporation 7 Skyline Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 25, Application PC/TUS9504712 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 151, Application US/09404912
Patent No. 6703228
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC Compatible
                                                                                                                                                                                                                                                                  2309 GGGCCGGGGAGGAA 2323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1065 TTTGGAGAGAATGAA 1079
                                                                                                                                                                           Query Match
Best Local Similarity 93.3%;
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity 93.3
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                      ; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-10514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
ORGANISM: Homo Sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STREET: 7 5...
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
URRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/04712
FILING DATE:
                                                                                                                                                                              PLUING DATA:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/233,608
FILING DATE: 04-APR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Walsh, Andrea C.
REGISTRATION NUMBER: 34,986
REFERENCE/DOCKET NUMBER: CGC 1739
TELECOMMUNICATION INFORMATION:
TELEFAX: 919-541-8666
TELEFAX: 919-541-8666
TELEFAX: 919-541-8669
INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TYPE: nucleic acid
STRANDEDNESS: single
TYPE: Other nucleic acid
DESCRIFTION: Oligonucleotide primer JB442
PYPOTHETICAL: NO
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15 GCAGGTCGCCCCGA 1 qq

2256 GCAGGTGGCCCCCGA 2270

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Gaps ö

Query Match 0.6%; Score 13.4; DB 1; Length 17; Best Local Similarity 93.3%; Pred. No. 65; Matches 14; Conservative 0; Mismatches 1; Indels

; ANTI-SENSE: NO PCT-US95-04712-25

Search completed: August 8, 2005, 09:59:24 Job time : 4 secs